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Function03 for No.9182

$$No1 = \begin{bmatrix} .1 = [y = (x-3)^2 + 1] & .3 = [y = 2x^2 - 24x + 67] & .5 = [y = -3(x+1)^2] \\ .2 = [y = (x-4)^2 - 6] & .4 = [y = 3x^2 + 42x + 149] & .6 = [y = -x^2 - 14x - 52] \end{bmatrix}$$

$$No2 = (f(x) = x^2 + 8x + 16), \quad , No3 = (f(x) = x^2 - 6x + 5)$$

$$No4 = (f(x) = x^2 - 2x - 8), \quad , No5 = (f(x) = -x^2 + 36)$$

$$No6 = (p = 600 - 0.6x)$$

```
No7 : N  = 120    ,
    : P1 = 3000   , P2 = 3300   , P3 = 3600   ,
    : B  = 300    , M  = 660000
No8 : P  = 2      , L  = 3      , A  = 25     , D  = 8
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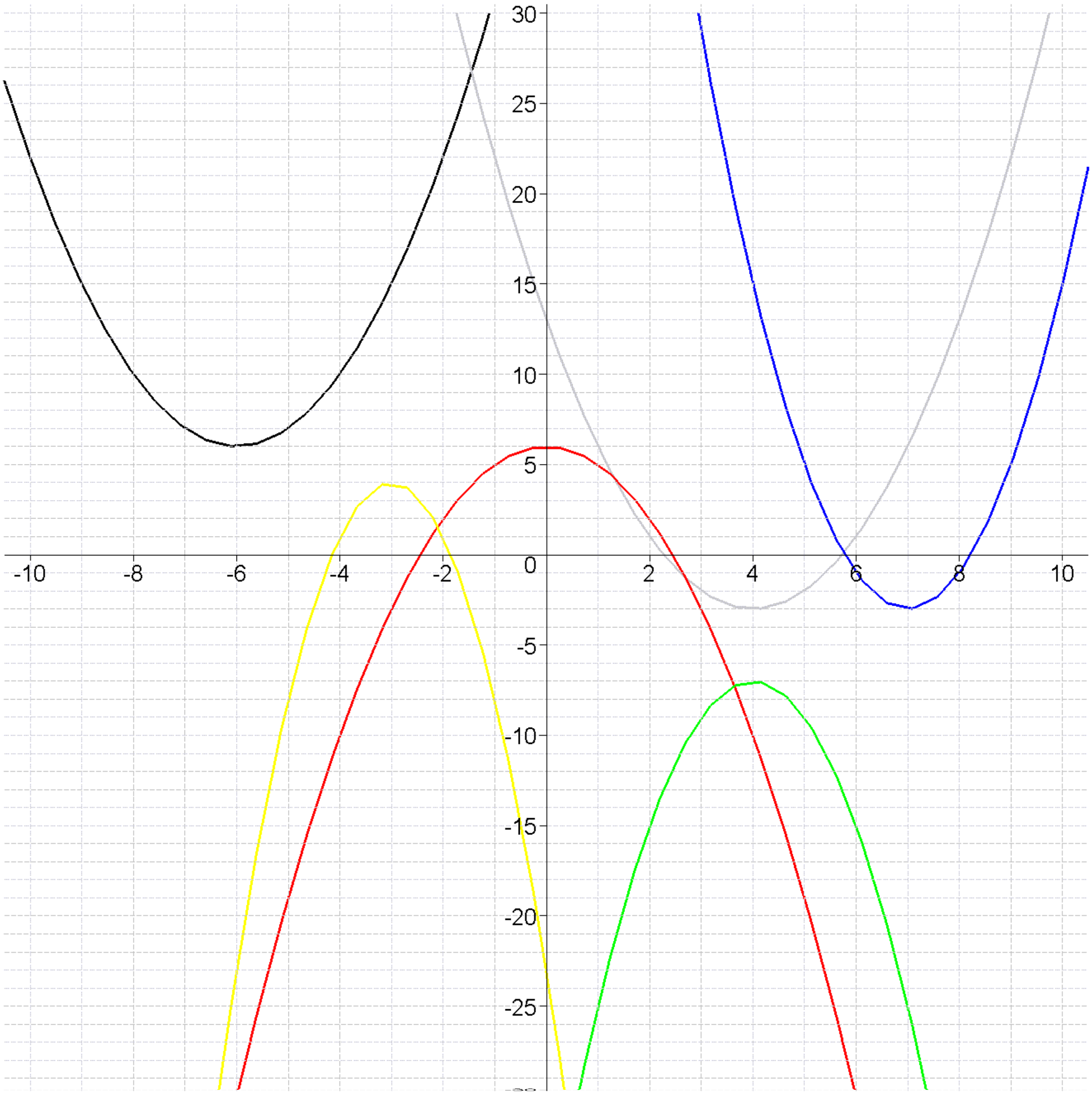
Function03 for No.9225

$$No1 = \begin{bmatrix} .1 = [y = -2\,(x-4)^2 - 7] & .3 = [y = 2\,(x-7)^2 - 3] & .5 = [y = x^2 - 8\,x + 13] \\ .2 = [y = -3\,(x+3)^2 + 4] & .4 = [y = -x^2 + 6] & .6 = [y = x^2 + 12\,x + 42] \end{bmatrix}$$



$$No2 = (\,f(x) = x^2 - 2\,x - 8\,), \quad , No3 = (\,f(x) = x^2 - 2\,x + 1\,)$$

$$No4 = (\,f(x) = x^2 - 14\,x + 48\,), \quad , No5 = (\,f(x) = -x^2 + 2\,x\,)$$

$$No6 = (\,p = 200 - 0.3\,x\,)$$

```
No7 : N  = 120    ,
    : P1 = 7000   , P2 = 7500   , P3 = 8000   ,
    : B  = 500    , M  = 1404000
No8 : P  = 7      , L  = 9      , A  = 64     , D  = 56
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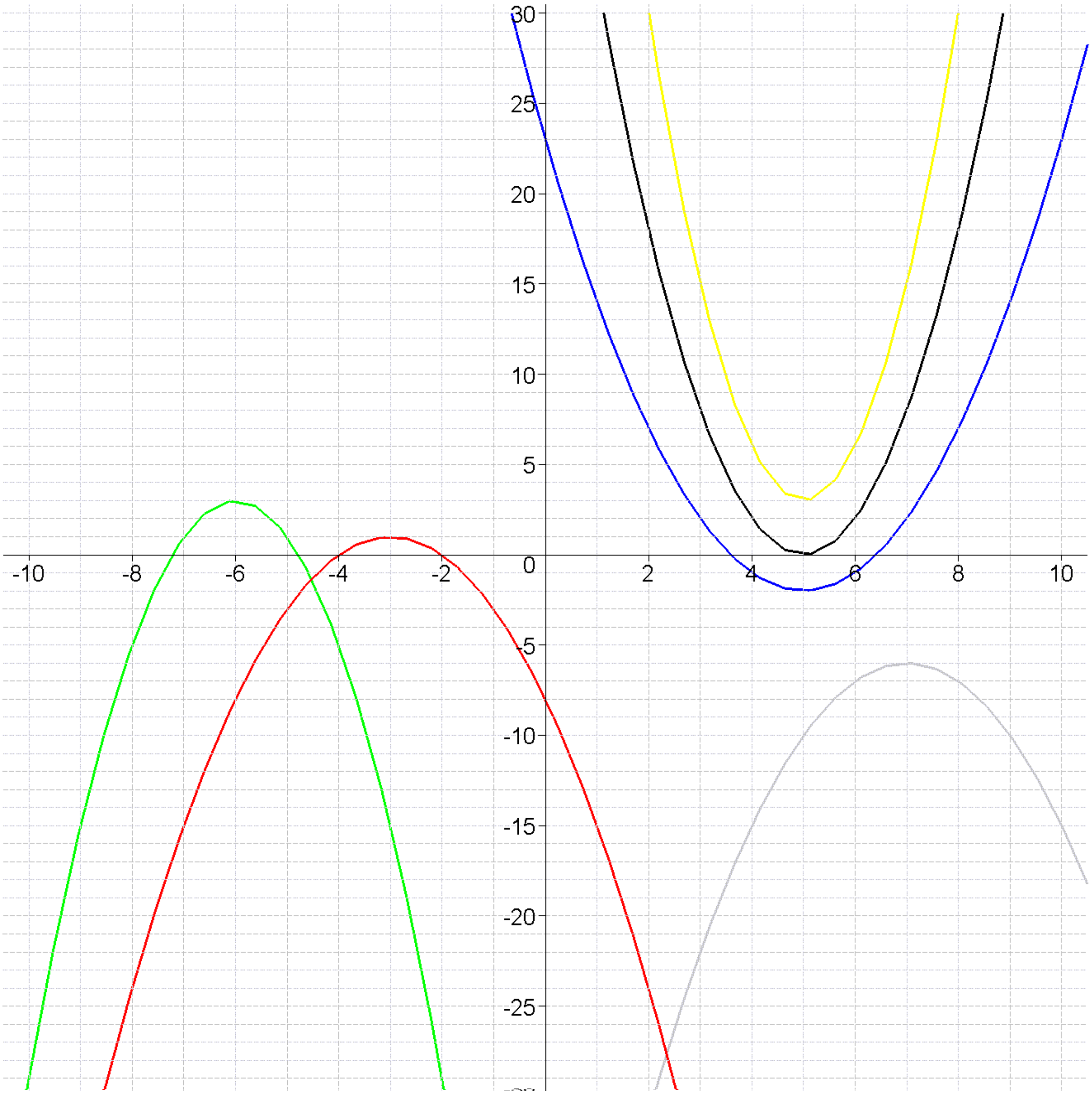
Function03 for No.9243

$$No1 = \begin{bmatrix} .1 = [y = -x^2 - 6x - 8] & .3 = [y = 3x^2 - 30x + 78] & .5 = [y = 2(x-5)^2] \\ .2 = [y = x^2 - 10x + 23] & .4 = [y = -2(x+6)^2 + 3] & .6 = [y = -(x-7)^2 - 6] \end{bmatrix}$$



$$No2 = (\mathrm{f}(x) = x^2 + 6x - 27), \quad , No3 = (\mathrm{f}(x) = x^2 - 9)$$

$$No4 = (\mathrm{f}(x) = -x^2 - 4x + 32), \quad , No5 = (\mathrm{f}(x) = x^2 - 2x + 1)$$

$$No6 = (p = 500 - 0.3x)$$

```
No7 : N  = 80    ,
    : P1 = 6000  , P2 = 6200  , P3 = 6400  ,
    : B  = 200   , M  = 597800
No8 : P  = 2     , L  = 11    , A  = 64    , D  = 6
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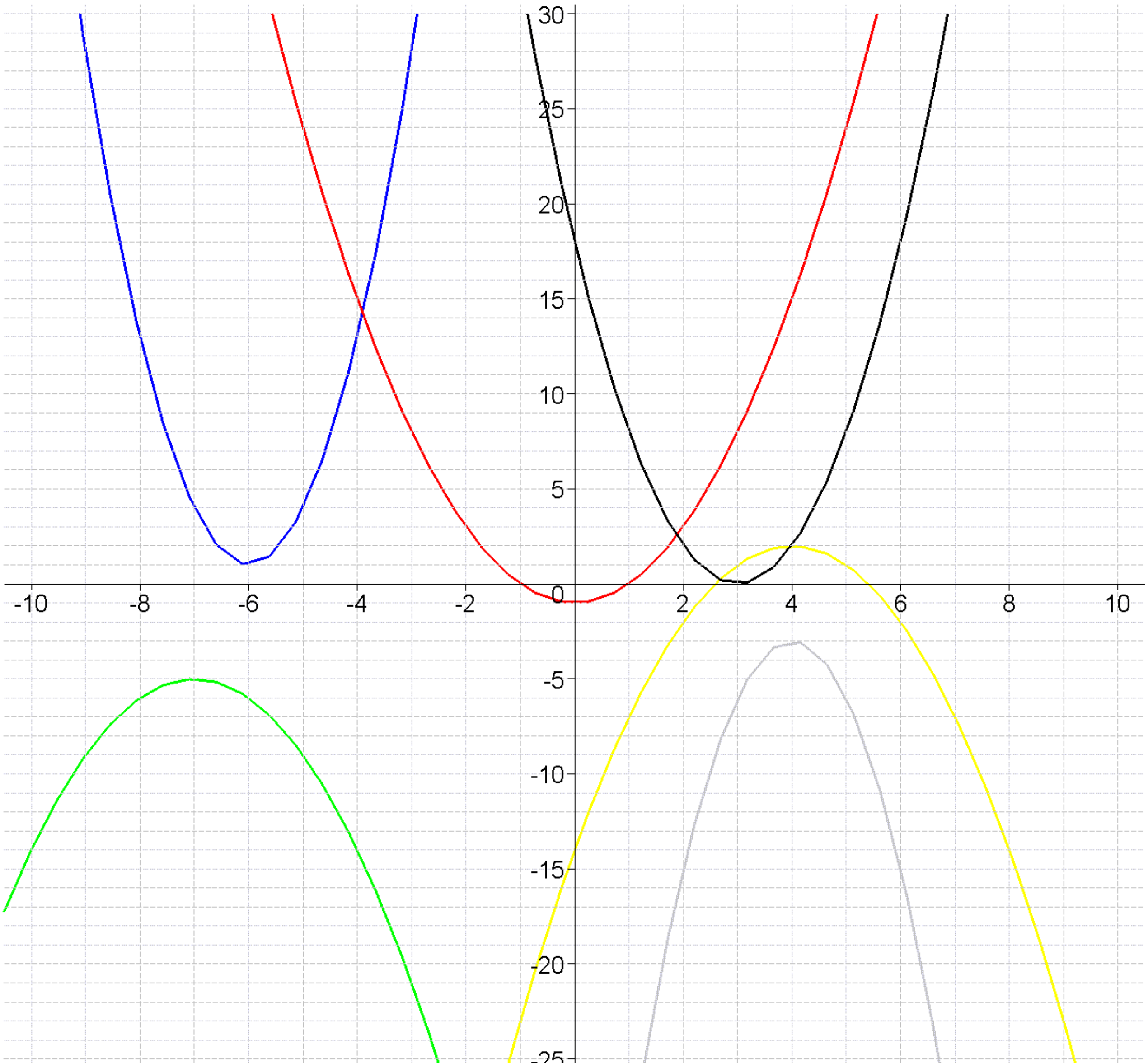
Function03 for No.9280

$$No1 = \begin{bmatrix} .1 = [y = -(x+7)^2 - 5] & .3 = [y = 2x^2 - 12x + 18] & .5 = [y = x^2 - 1] \\ .2 = [y = -3(x-4)^2 - 3] & .4 = [y = -(x-4)^2 + 2] & .6 = [y = 3x^2 + 36x + 109] \end{bmatrix}$$



$$No2 = (f(x) = x^2 - 8x + 16), \quad , No3 = (f(x) = -x^2 - 4x + 5)$$

$$No4 = (f(x) = x^2 + 8x + 12), \quad , No5 = (f(x) = -x^2 + 16)$$

$$No6 = (p = 500 - 0.6x)$$

```
No7 : N  = 100   ,
    : P1 = 3000  , P2 = 3500  , P3 = 4000  ,
    : B  = 500   , M  = 892500
No8 : P  = 11    , L  = 19    , A  = 36    , D  = 121
```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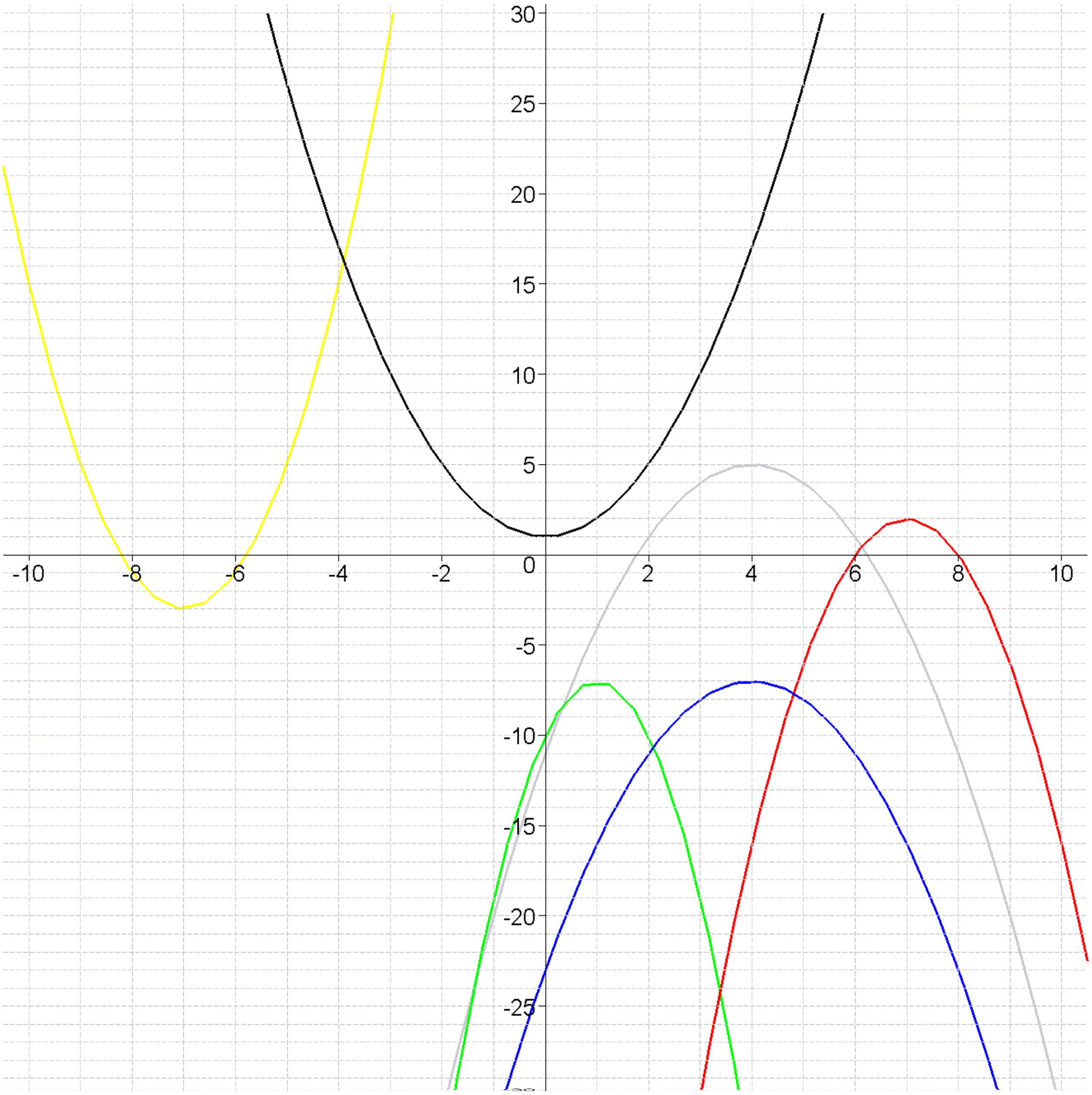
Function03 for No.9298

$$No1 = \begin{bmatrix} .1 = [y = -(x-4)^2 - 7] & .3 = [y = -3\,(x-1)^2 - 7] & .5 = [y = 2\,x^2 + 28\,x + 95] \\ .2 = [y = -2\,(x-7)^2 + 2] & .4 = [y = x^2 + 1] & .6 = [y = -x^2 + 8\,x - 11] \end{bmatrix}$$



$$No2 = (\,f(x) = x^2 + 2\,x - 8\,), \quad , No3 = (\,f(x) = x^2 - 6\,x + 9\,)$$

$$No4 = (\,f(x) = -x^2 + 36\,), \quad , No5 = (\,f(x) = x^2 - 16\,)$$

$$No6 = (\,p = 600 - 0.3\,x\,)$$

```
No7 : N  = 70     ,
    : P1 = 4000   , P2 = 4200   , P3 = 4400   ,
    : B  = 200    , M  = 371200
No8 : P  = 10     , L  = 13     , A  = 9      , D  = 40
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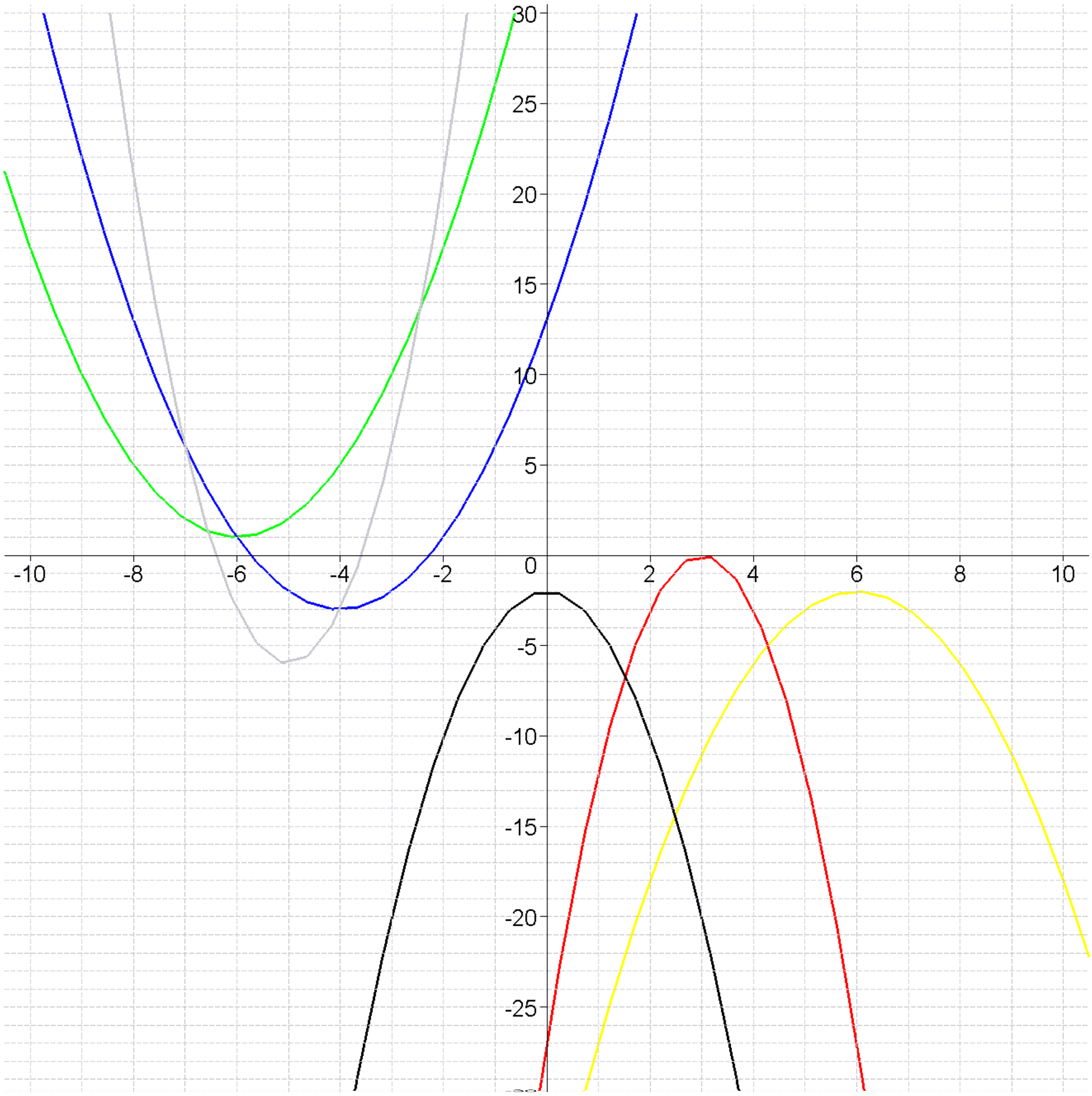
Function03 for No.9329

$$No1 = \begin{bmatrix} .1 = [y = -2\,x^2 - 2] & .3 = [y = 3\,x^2 + 30\,x + 69] & .5 = [y = (x+4)^2 - 3] \\ .2 = [y = -3\,(x-3)^2] & .4 = [y = -x^2 + 12\,x - 38] & .6 = [y = x^2 + 12\,x + 37] \end{bmatrix}$$



$$No2 = (\,f(x) = -x^2 + 4\,), \quad , No3 = (\,f(x) = -x^2 - 8\,x - 7\,)$$

$$No4 = (\,f(x) = -x^2 + 12\,x - 36\,), \quad , No5 = (\,f(x) = x^2 + 8\,x + 15\,)$$

$$No6 = (\,p = 700 - 0.6\,x\,)$$

```
No7 : N  = 90     ,
    : P1 = 6000   , P2 = 6600   , P3 = 7200   ,
    : B  = 600    , M  = 1062600
No8 : P  = 5      , L  = 8      , A  = 121    , D  = 55
```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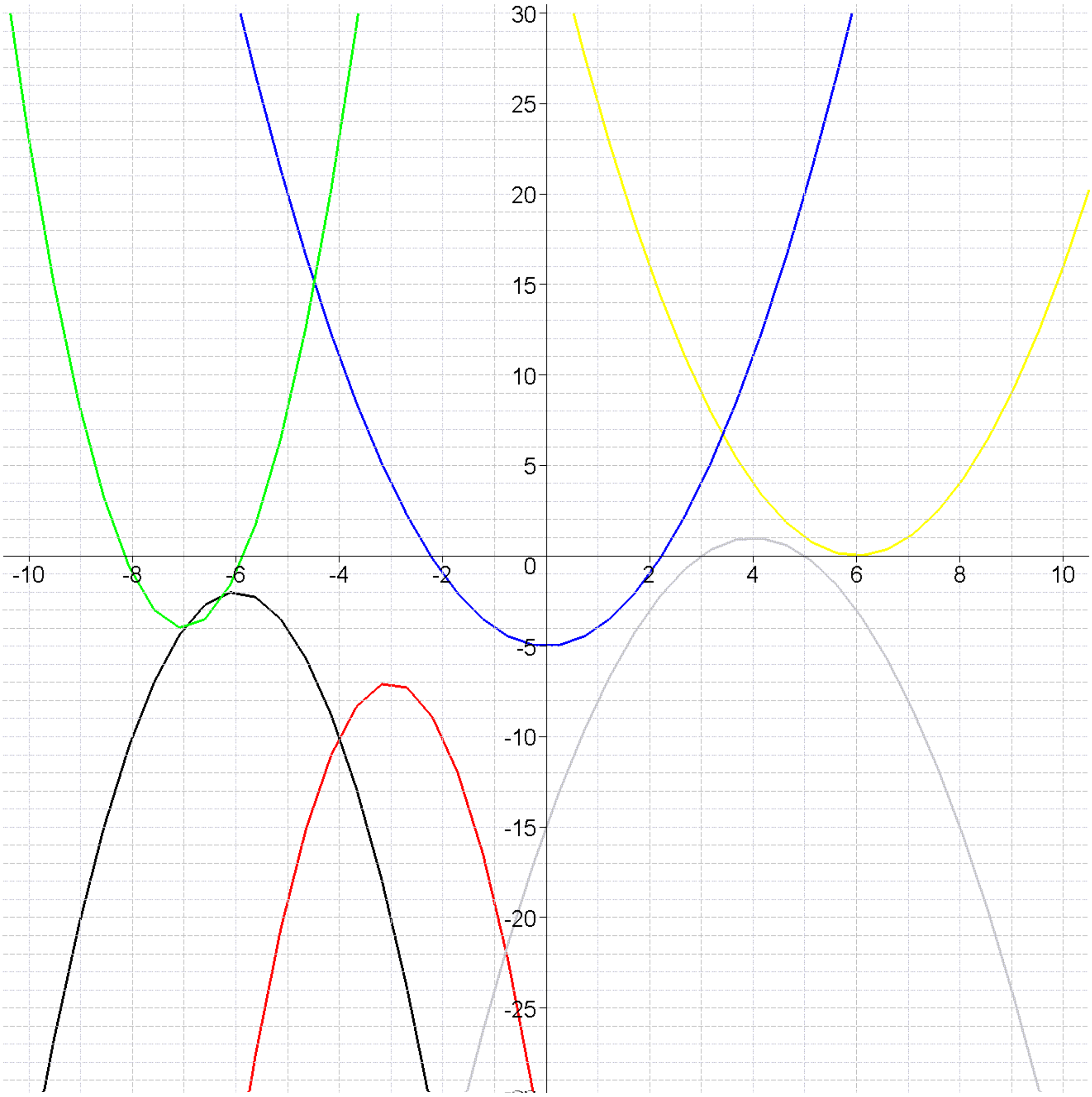
Function03 for No.9358

$$No1 = \begin{bmatrix} .1 = [y = 3x^2 + 42x + 143] & .3 = [y = -(x-4)^2 + 1] & .5 = [y = x^2 - 12x + 36] \\ .2 = [y = x^2 - 5] & .4 = [y = -2(x+6)^2 - 2] & .6 = [y = -3x^2 - 18x - 34] \end{bmatrix}$$



$$No2 = (f(x) = x^2 + 14x + 49), \quad , No3 = (f(x) = -x^2 - 8x - 12)$$

$$No4 = (f(x) = x^2 - 64), \quad , No5 = (f(x) = x^2 - 2x - 3)$$

$$No6 = (p = 100 - 0.5x)$$

```
No7 : N  = 110   ,
    : P1 = 4000  , P2 = 4200  , P3 = 4400  ,
    : B  = 200   , M  = 709800
No8 : P  = 11    , L  = 17    , A  = 25    , D  = 110
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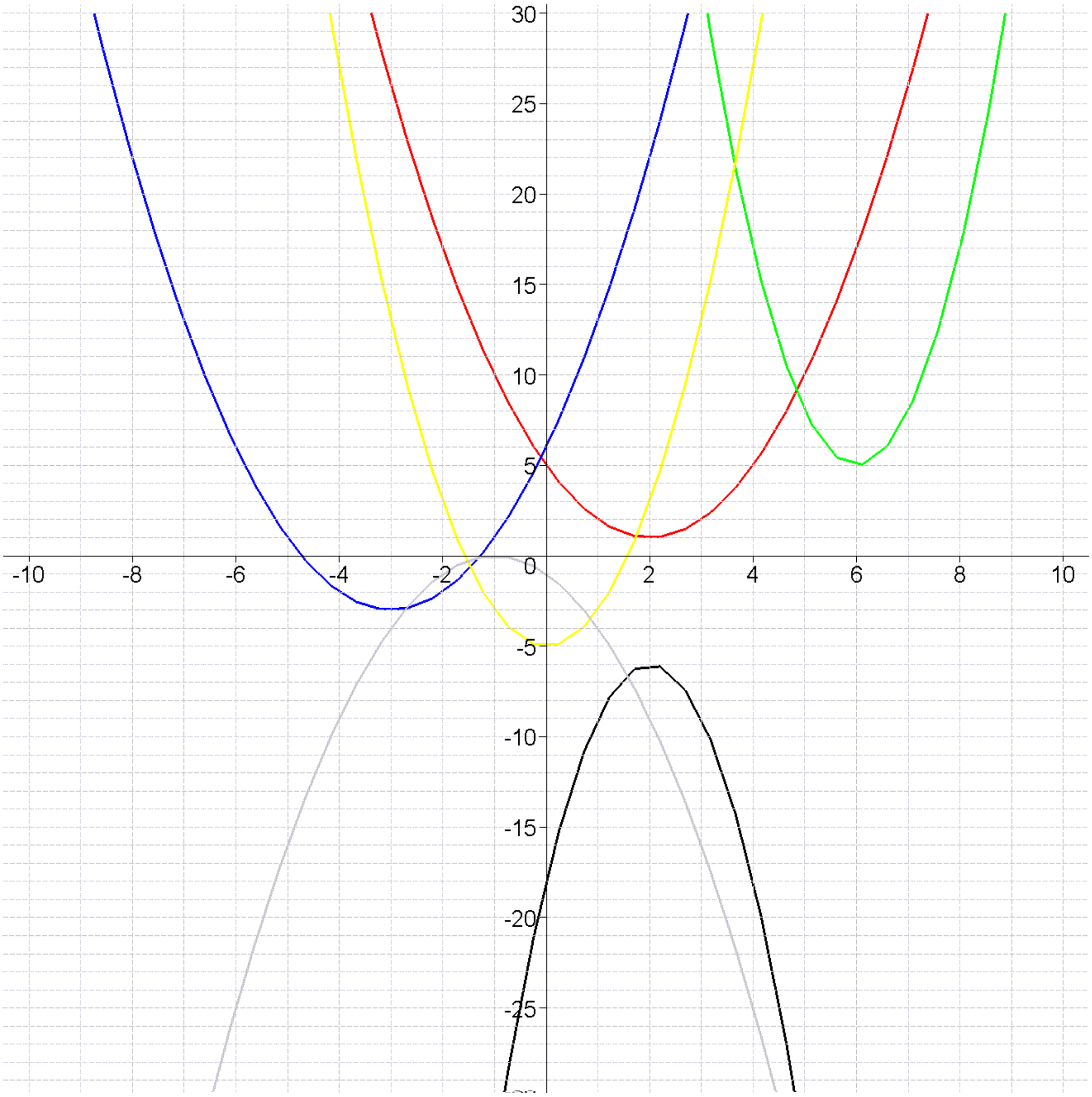
Function03 for No.9362

$$No1 = \begin{bmatrix} .1 = [y = -(x+1)^2] & .3 = [y = x^2 + 6x + 6] & .5 = [y = 3x^2 - 36x + 113] \\ .2 = [y = 2x^2 - 5] & .4 = [y = -3(x-2)^2 - 6] & .6 = [y = x^2 - 4x + 5] \end{bmatrix}$$



$$No2 = (f(x) = -x^2 + 4x + 5), \quad , No3 = (f(x) = x^2 + 2x - 35)$$

$$No4 = (f(x) = -x^2 + 2x + 35), \quad , No5 = (f(x) = -x^2 - 6x - 9)$$

$$No6 = (p = 100 - 0.6x)$$

```
No7 : N  = 120    ,
    : P1 = 6000   , P2 = 6500   , P3 = 7000   ,
    : B  = 500    , M  = 1600000
No8 : P  = 5      , L  = 9      , A  = 16     , D  = 20
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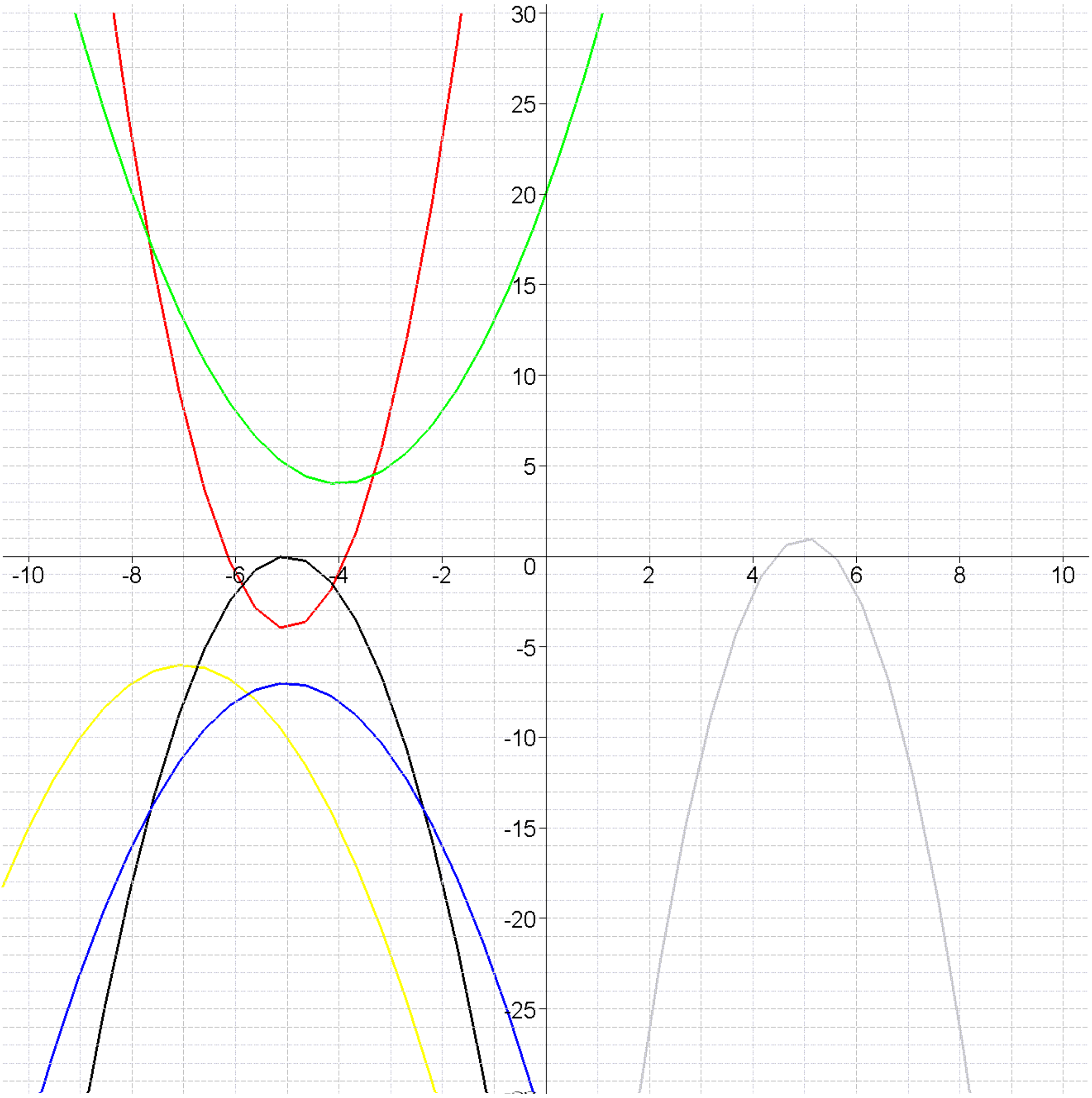
Function03 for No.9408

$No1 =$

$$\begin{bmatrix} .1 = [y = -3x^2 + 30x - 74] & .3 = [y = -2x^2 - 20x - 50] & .5 = [y = -(x+7)^2 - 6] \\ .2 = [y = -(x+5)^2 - 7] & .4 = [y = (x+4)^2 + 4] & .6 = [y = 3x^2 + 30x + 71] \end{bmatrix}$$



$$No2 = (f(x) = -x^2 - 2x + 35), \quad , No3 = (f(x) = x^2 - 10x + 25)$$

$$No4 = (f(x) = x^2 - 36), \quad , No5 = (f(x) = x^2 + 14x + 48)$$

$$No6 = (p = 700 - 0.4x)$$

```
No7 : N  = 130    ,
    : P1 = 4000   , P2 = 4500   , P3 = 5000   ,
    : B  = 500    , M  = 1580500
No8 : P  = 5      , L  = 15     , A  = 25     , D  = 55
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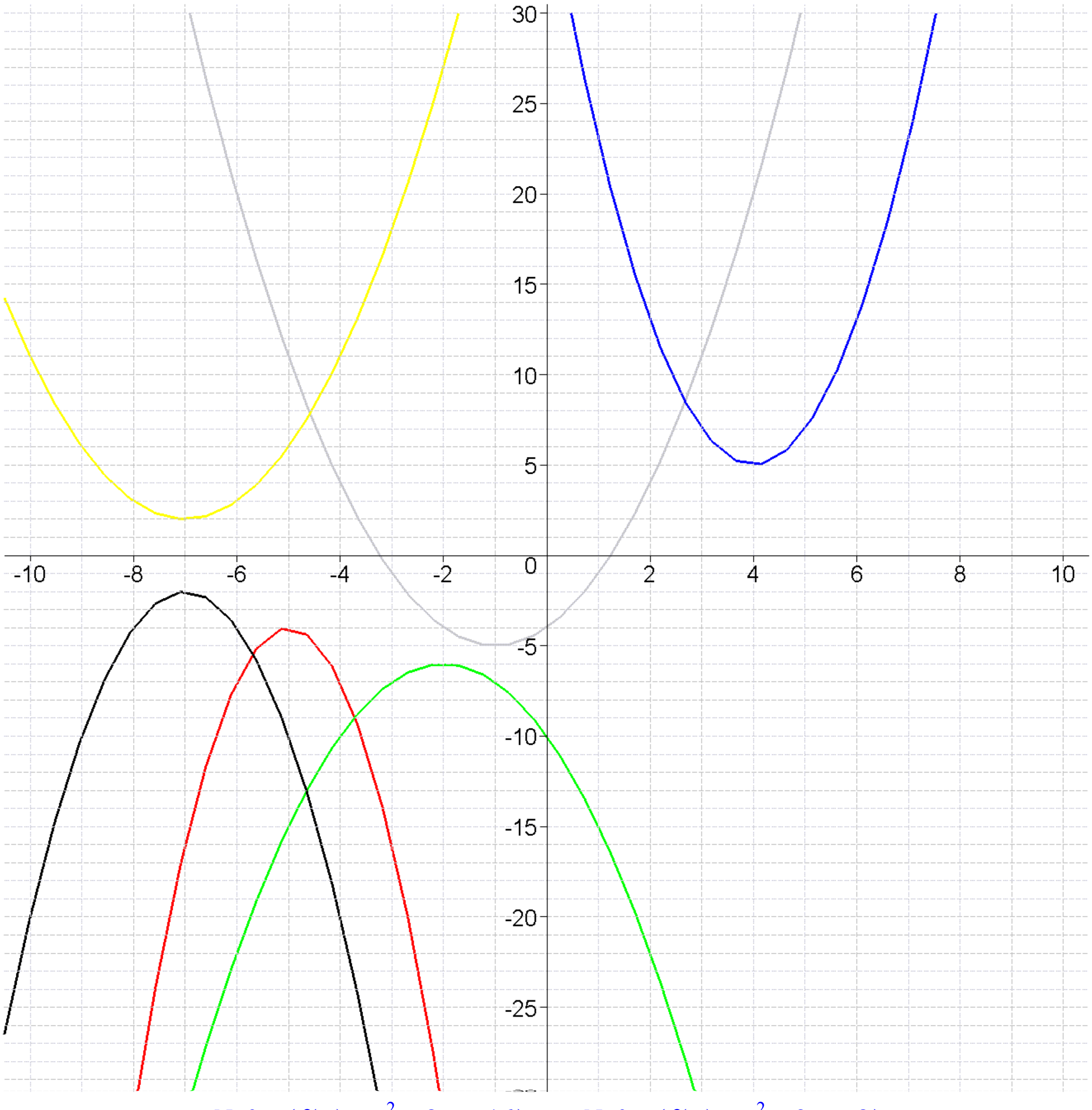
Function03 for No.9450

$$No1 = \begin{bmatrix} .1 = [y = x^2 + 14x + 51] & .3 = [y = -(x+2)^2 - 6] & .5 = [y = (x+1)^2 - 5] \\ .2 = [y = -2(x+7)^2 - 2] & .4 = [y = 2x^2 - 16x + 37] & .6 = [y = -3x^2 - 30x - 79] \end{bmatrix}$$



$$No2 = (f(x) = x^2 + 8x + 16), \quad , No3 = (f(x) = x^2 - 2x - 8)$$

$$No4 = (f(x) = -x^2 - 2x + 15), \quad , No5 = (f(x) = x^2 + 6x + 8)$$

$$No6 = (p = 300 - 0.2x)$$

```
No7 : N  = 100   ,
    : P1 = 4000  , P2 = 4500  , P3 = 5000  ,
    : B  = 500   , M  = 1008000
No8 : P  = 8     , L  = 18    , A  = 64    , D  = 56
```

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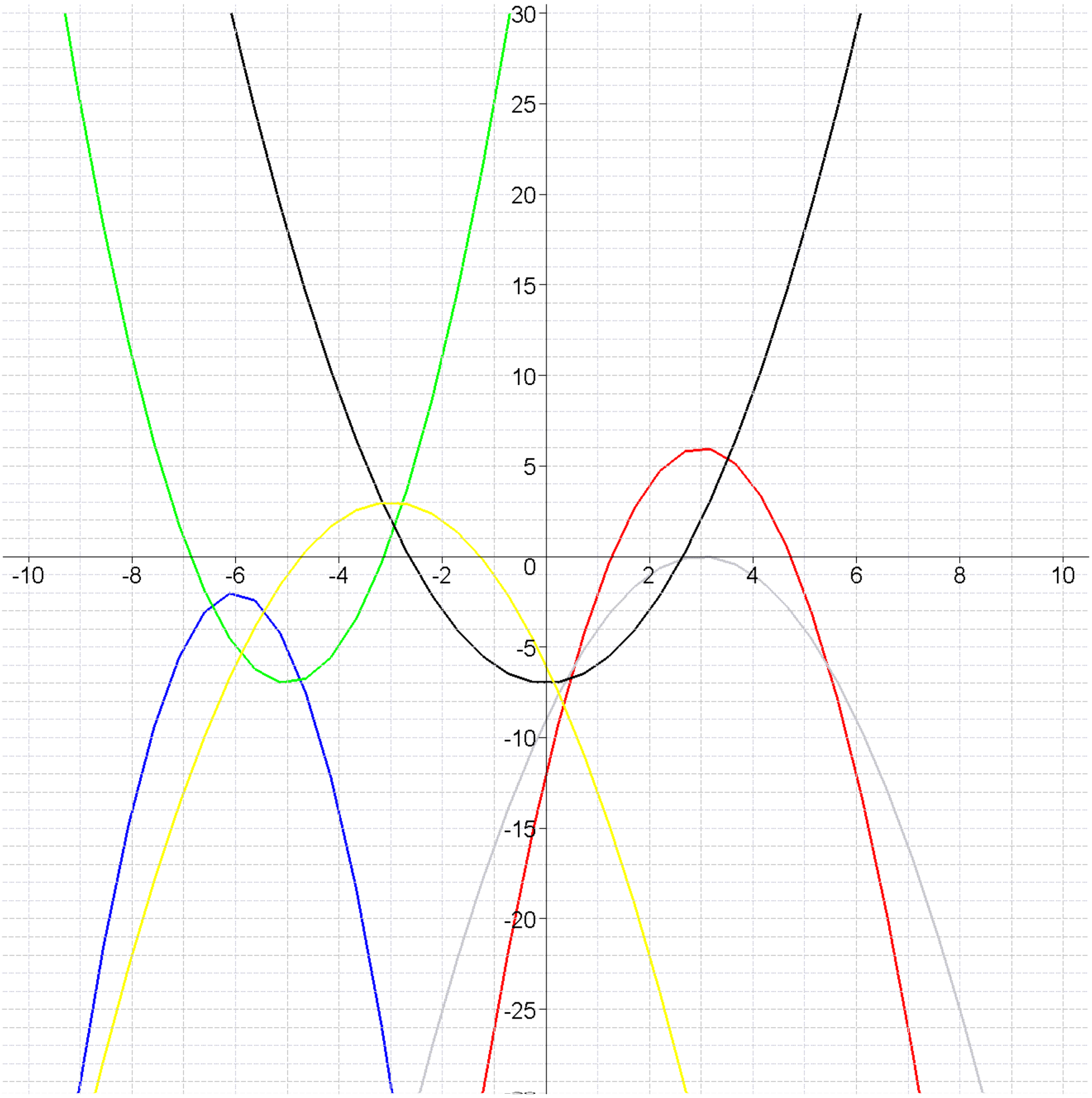
Function03 for No.9469

$$No1 = \begin{bmatrix} .1 = [y = -(x+3)^2 + 3] & .3 = [y = -(x-3)^2] & .5 = [y = -3x^2 - 36x - 110] \\ .2 = [y = x^2 - 7] & .4 = [y = 2(x+5)^2 - 7] & .6 = [y = -2x^2 + 12x - 12] \end{bmatrix}$$



$$No2 = (f(x) = x^2 - 12x + 32), \quad , No3 = (f(x) = x^2 + 14x + 49)$$

$$No4 = (f(x) = x^2 - 16), \quad , No5 = (f(x) = -x^2 + 4)$$

$$No6 = (p = 100 - 0.7x)$$

```
No7 : N  = 90    ,
    : P1 = 4000  , P2 = 4200  , P3 = 4400  ,
    : B  = 200   , M  = 525000
No8 : P  = 3     , L  = 11    , A  = 100   , D  = 12
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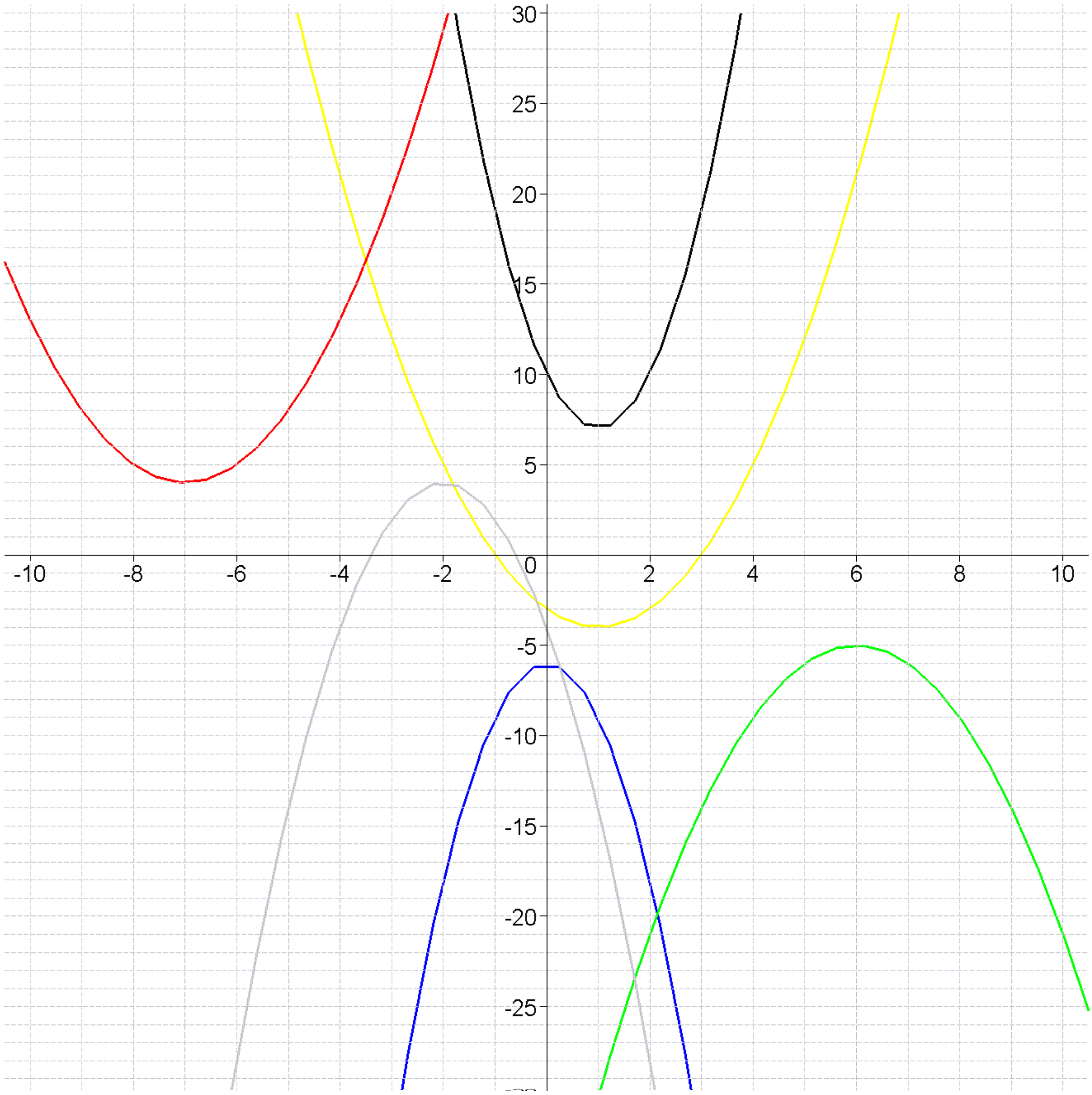
Function03 for No.9730

$$No1 = \begin{bmatrix} .1 = [y = (x+7)^2 + 4] & .3 = [y = 3x^2 - 6x + 10] & .5 = [y = (x-1)^2 - 4] \\ .2 = [y = -2x^2 - 8x - 4] & .4 = [y = -(x-6)^2 - 5] & .6 = [y = -3x^2 - 6] \end{bmatrix}$$



$$No2 = (f(x) = -x^2 - 16x - 64), \quad , No3 = (f(x) = x^2 + 2x - 8)$$

$$No4 = (f(x) = -x^2 + 2x + 48), \quad , No5 = (f(x) = -x^2 - 10x - 21)$$

$$No6 = (p = 500 - 0.4x)$$

```
   No7  : N   = 110    ,
        : P1  = 6000   , P2  = 6600   , P3  = 7200   ,
        : B   = 600    , M   = 1425000
   No8  : P   = 11     , L   = 20     , A   = 169    , D   = 88
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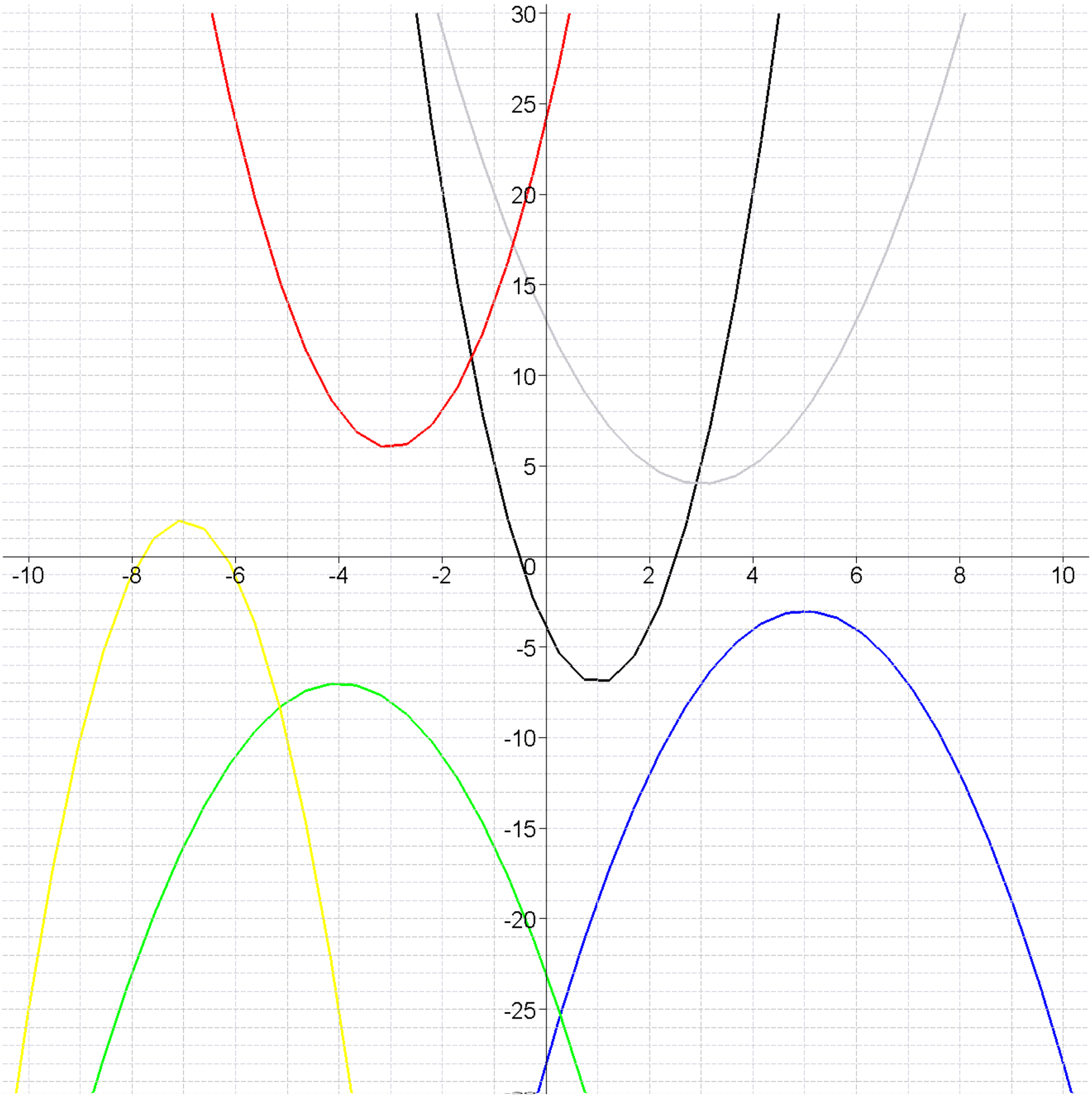
Function03 for No.9743

$$No1 = \begin{bmatrix} .1 = [y = 2(x+3)^2 + 6] & .3 = [y = -3(x+7)^2 + 2] & .5 = [y = -x^2 + 10x - 28] \\ .2 = [y = (x-3)^2 + 4] & .4 = [y = -x^2 - 8x - 23] & .6 = [y = 3x^2 - 6x - 4] \end{bmatrix}$$



$$No2 = (f(x) = -x^2 + 6x - 9), \quad , No3 = (f(x) = x^2 + 4x + 3)$$

$$No4 = (f(x) = x^2 - 4x - 12), \quad , No5 = (f(x) = -x^2 - 6x + 16)$$

$$No6 = (p = 300 - 0.7x)$$

```
No7 : N  = 120   ,
    : P1 = 6000  , P2 = 6200  , P3 = 6400  ,
    : B  = 200   , M  = 956800
No8 : P  = 6     , L  = 11    , A  = 64    , D  = 24
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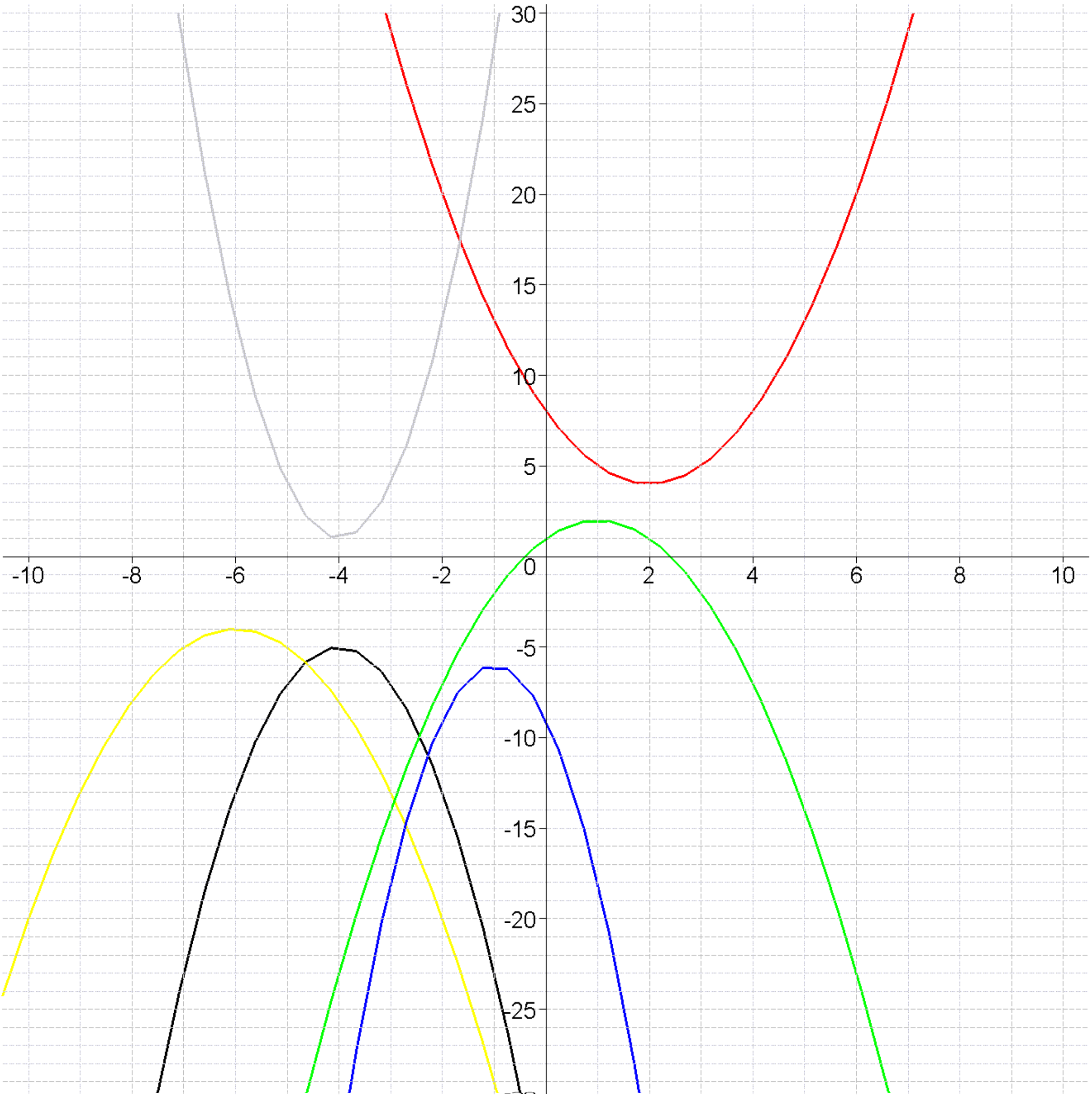
Function03 for No.9791

$$No1 = \begin{bmatrix} .1 = [y = -(x-1)^2 + 2] & .3 = [y = (x-2)^2 + 4] & .5 = [y = -x^2 - 12x - 40] \\ .2 = [y = 3x^2 + 24x + 49] & .4 = [y = -3(x+1)^2 - 6] & .6 = [y = -2x^2 - 16x - 37] \end{bmatrix}$$



$$No2 = (f(x) = x^2 - 12x + 27), \quad , No3 = (f(x) = -x^2 + 2x - 1)$$

$$No4 = (f(x) = -x^2 - 8x), \quad , No5 = (f(x) = x^2 - 6x + 5)$$

$$No6 = (p = 400 - 0.2x)$$

```
No7 : N  = 120    ,
    : P1 = 4000   , P2 = 4400   , P3 = 4800   ,
    : B  = 400    , M  = 1200000
No8 : P  = 9      , L  = 17     , A  = 144    , D  = 99
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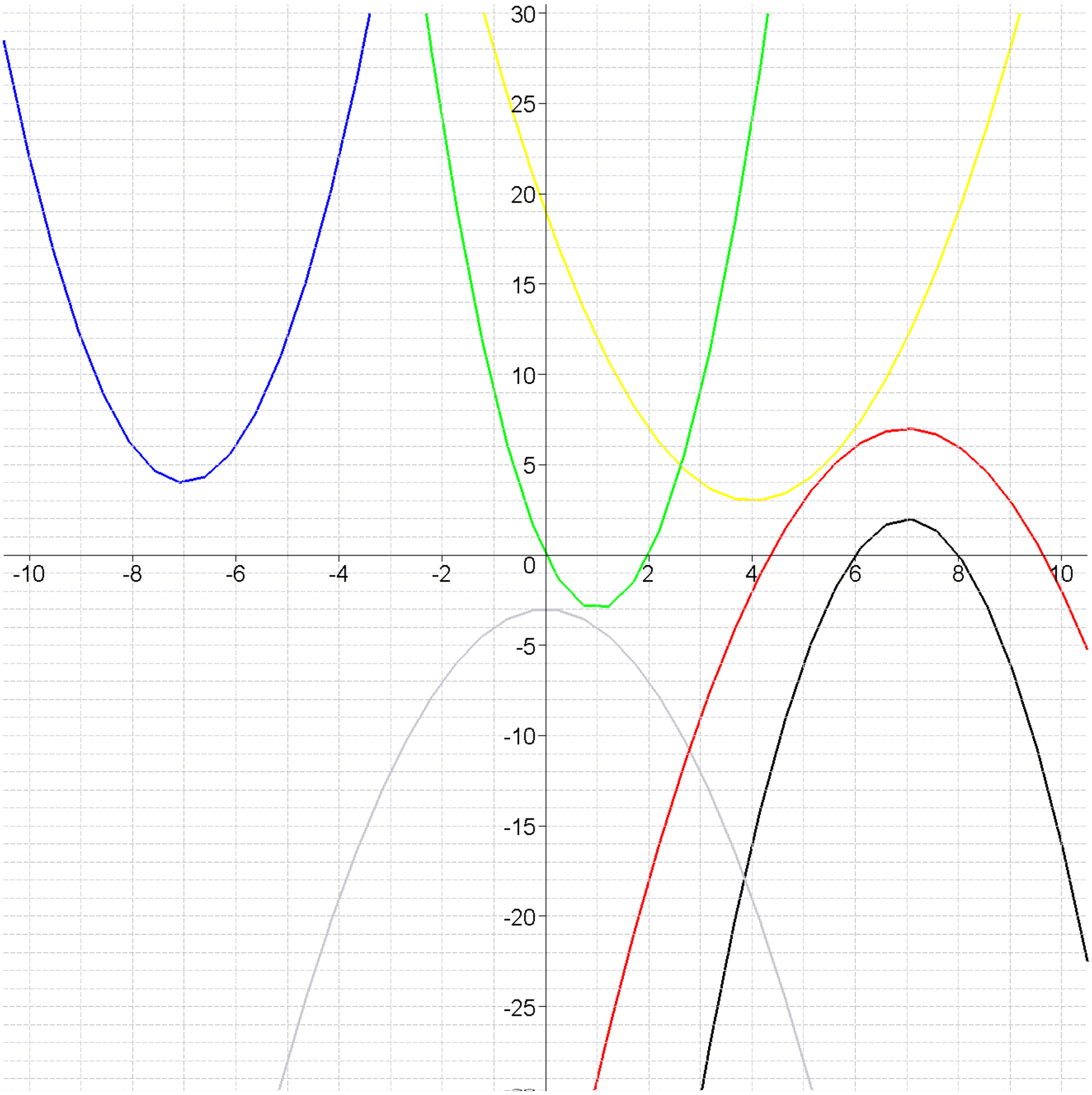
Function03 for No.9807

$$No1 = \begin{bmatrix} .1 = [y = -x^2 + 14\,x - 42] & .3 = [y = -x^2 - 3] & .5 = [y = (x-4)^2 + 3] \\ .2 = [y = 3\,(x-1)^2 - 3] & .4 = [y = 2\,(x+7)^2 + 4] & .6 = [y = -2\,x^2 + 28\,x - 96] \end{bmatrix}$$



$$No2 = (\,f(x) = -x^2 + 6\,x - 8\,), \quad , No3 = (\,f(x) = x^2 + 8\,x + 15\,)$$

$$No4 = (\,f(x) = x^2 - 6\,x - 16\,), \quad , No5 = (\,f(x) = x^2 + 2\,x + 1\,)$$

$$No6 = (p = 100 - 0.2\,x)$$

```
No7 : N  = 100   ,
    : P1 = 6000  , P2 = 6300  , P3 = 6600  ,
    : B  = 300   , M  = 960000
No8 : P  = 6     , L  = 13    , A  = 25    , D  = 54
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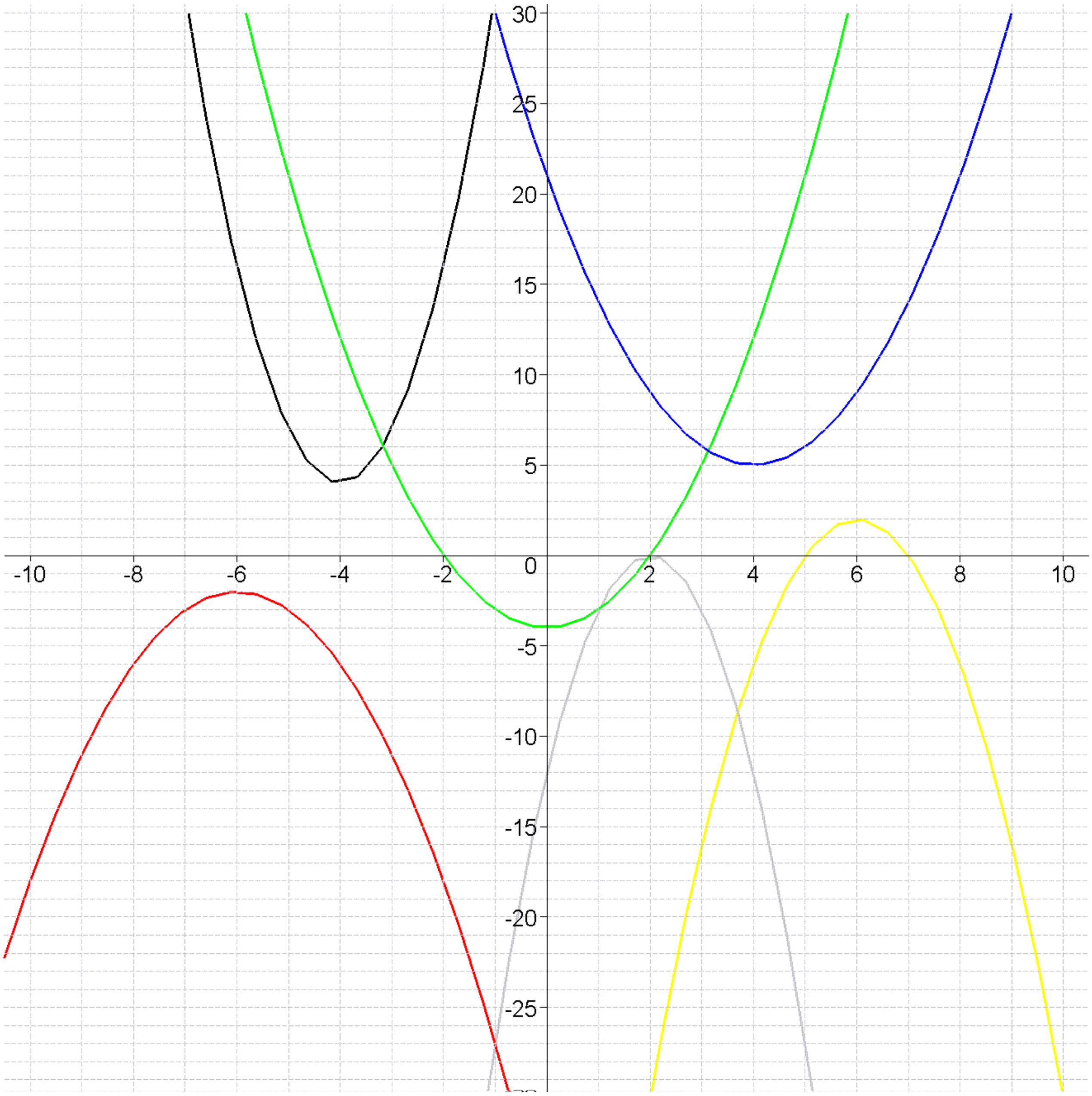
Function03 for No.9832

$$No1 = \begin{bmatrix} .1 = [y = (x-4)^2 + 5] & .3 = [y = 3x^2 + 24x + 52] & .5 = [y = -3x^2 + 12x - 12] \\ .2 = [y = x^2 - 4] & .4 = [y = -(x+6)^2 - 2] & .6 = [y = -2x^2 + 24x - 70] \end{bmatrix}$$



$$No2 = (f(x) = x^2 + 12x + 36), \quad , No3 = (f(x) = -x^2 + 4x + 12)$$

$$No4 = (f(x) = x^2 - 2x - 15), \quad , No5 = (f(x) = x^2 + 6x - 7)$$

$$No6 = (p = 700 - 0.2x)$$

```
No7 : N  = 80     ,
    : P1 = 4000   , P2 = 4400   , P3 = 4800   ,
    : B  = 400    , M  = 598400
No8 : P  = 7      , L  = 17     , A  = 64     , D  = 56
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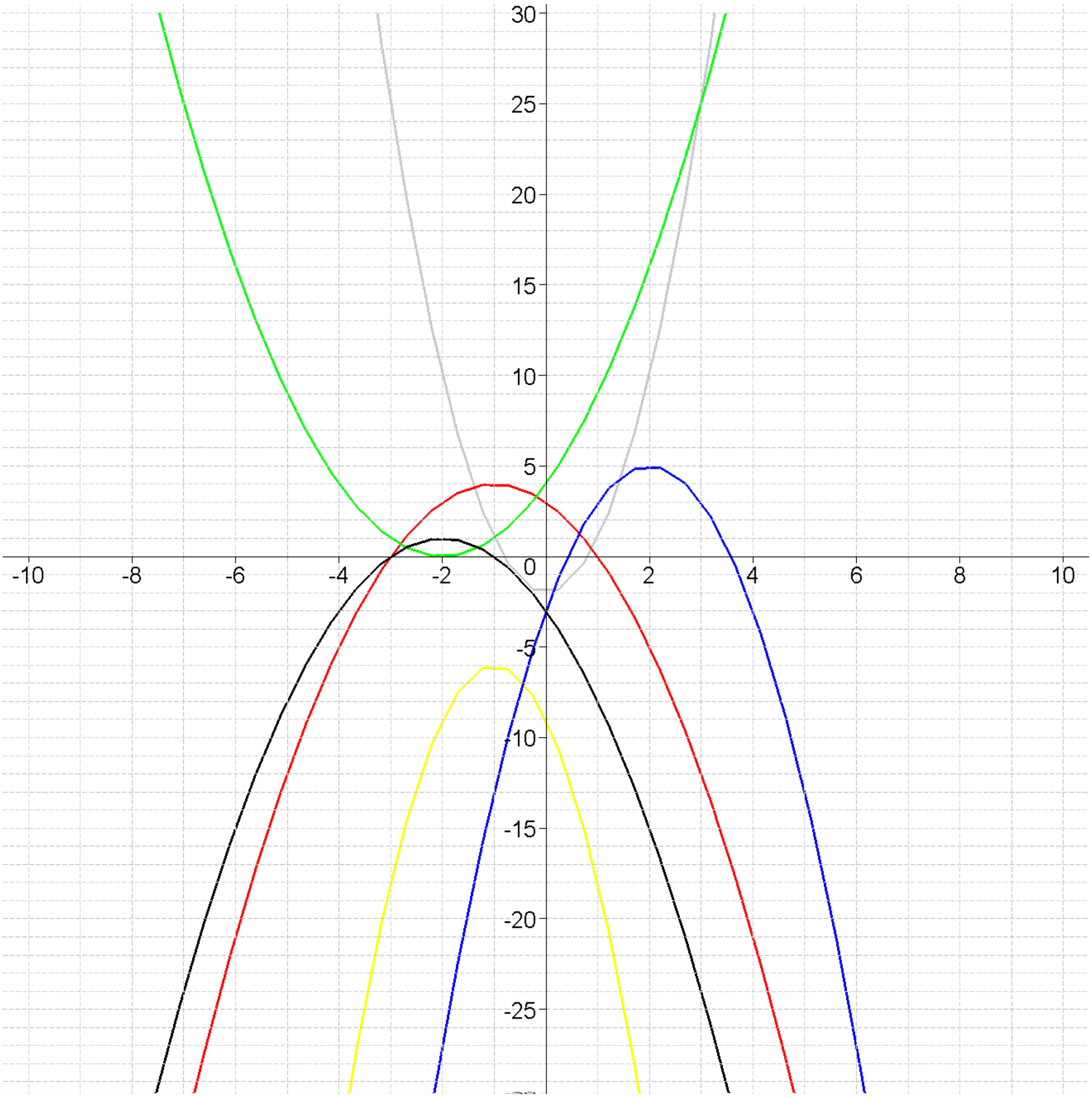
Function03 for No.9870

$$No1 = \begin{bmatrix} .1 = [y = -(x+2)^2 + 1] & .3 = [y = -2x^2 + 8x - 3] & .5 = [y = -3x^2 - 6x - 9] \\ .2 = [y = (x+2)^2] & .4 = [y = -x^2 - 2x + 3] & .6 = [y = 3x^2 - 2] \end{bmatrix}$$



$$No2 = (f(x) = -x^2 + 1), \quad , No3 = (f(x) = x^2 - 6x)$$

$$No4 = (f(x) = x^2 + 6x + 8), \quad , No5 = (f(x) = x^2 - 4x + 4)$$

$$No6 = (p = 400 - 0.2x)$$

```
No7 : N  = 120    ,
    : P1 = 4000   , P2 = 4400   , P3 = 4800   ,
    : B  = 400    , M  = 1200000
No8 : P  = 1      , L  = 12     , A  = 100    , D  = 4
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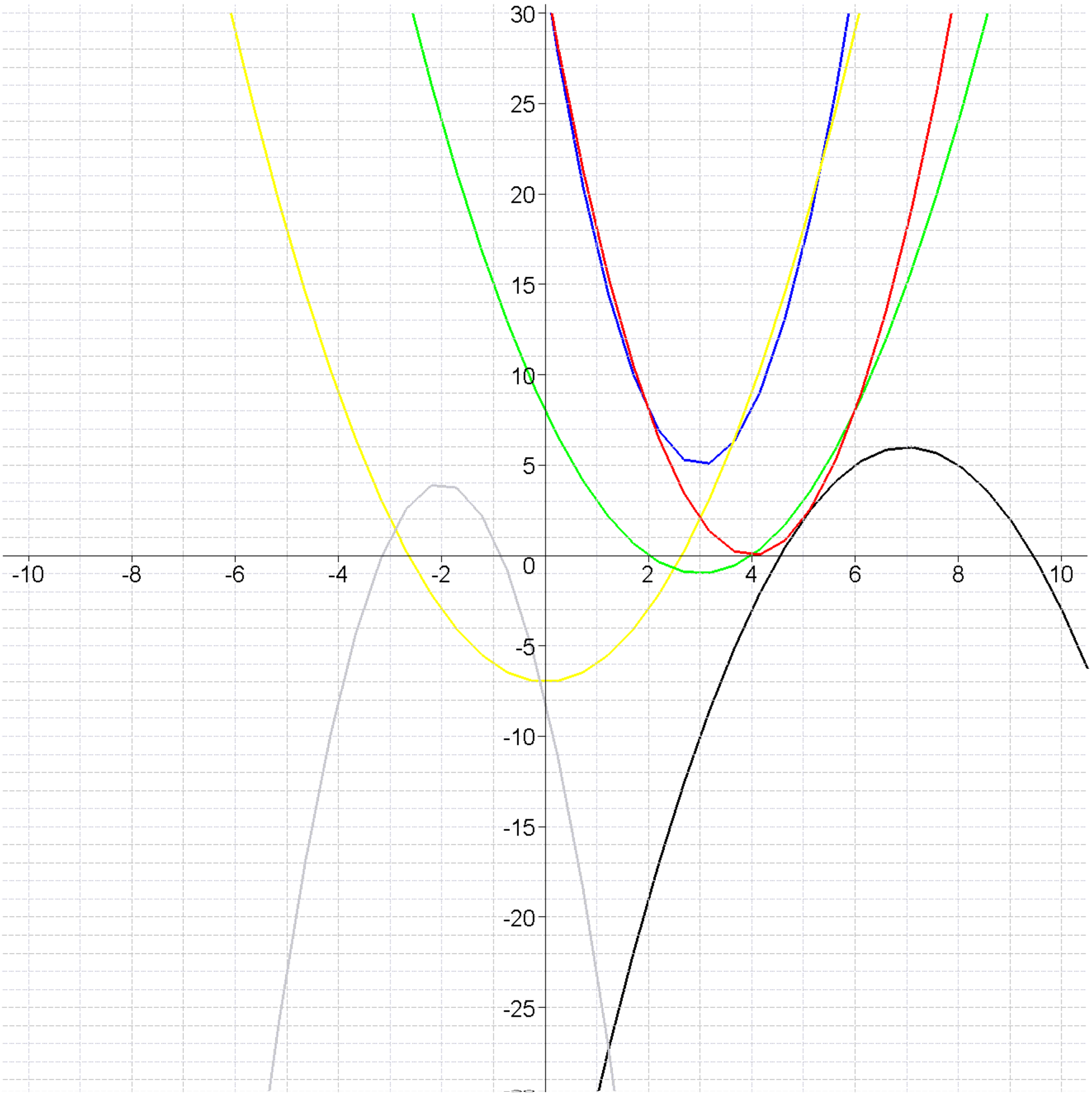
Function03 for No.10168

$$No1 = \begin{bmatrix} .1 = [y = 2\,(x-4)^2] & .3 = [y = x^2 - 6\,x + 8] & .5 = [y = 3\,x^2 - 18\,x + 32] \\ .2 = [y = -3\,(x+2)^2 + 4] & .4 = [y = x^2 - 7] & .6 = [y = -x^2 + 14\,x - 43] \end{bmatrix}$$



$$No2 = (\mathrm{f}(x) = -x^2 - 4\,x + 32), \quad , No3 = (\mathrm{f}(x) = x^2 + 6\,x + 8)$$

$$No4 = (\mathrm{f}(x) = -x^2 + 16\,x - 64), \quad , No5 = (\mathrm{f}(x) = -x^2 + 12\,x - 35)$$

$$No6 = (p = 700 - 0.3\,x)$$

```
   No7 : N  = 130    ,
       : P1 = 5000   , P2 = 5500   , P3 = 6000   ,
       : B  = 500    , M  = 1249500
   No8 : P  = 3      , L  = 9      , A  = 81     , D  = 27
```

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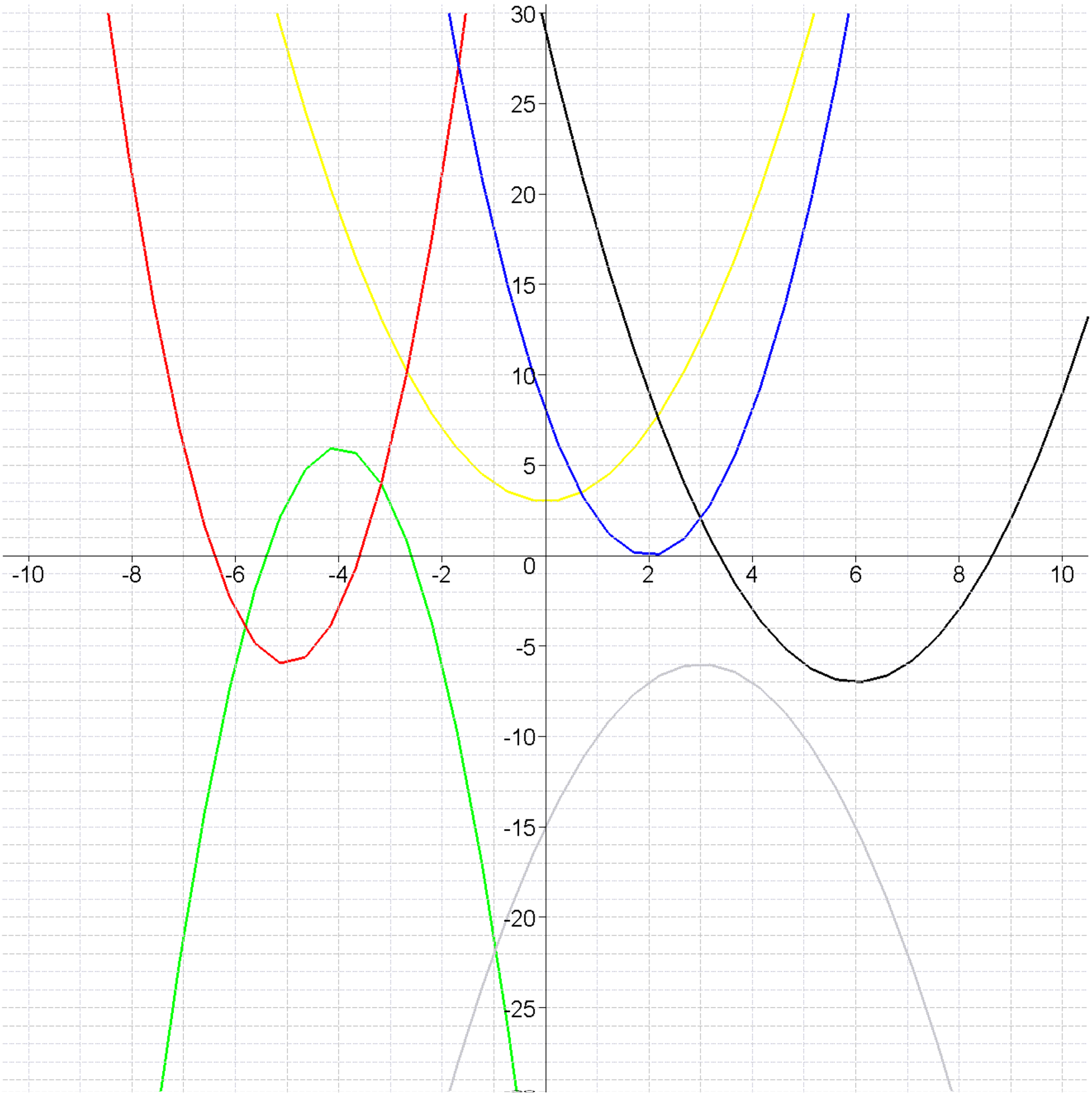
Function03 for No.10288

$$No1 = \begin{bmatrix} .1 = [y = 2(x-2)^2] & .3 = [y = x^2 - 12x + 29] & .5 = [y = x^2 + 3] \\ .2 = [y = 3(x+5)^2 - 6] & .4 = [y = -(x-3)^2 - 6] & .6 = [y = -3x^2 - 24x - 42] \end{bmatrix}$$



$$No2 = (f(x) = -x^2 + 4x + 12), \quad , No3 = (f(x) = -x^2 + 6x + 27)$$

$$No4 = (f(x) = -x^2 - 8x - 16), \quad , No5 = (f(x) = x^2 - 6x - 7)$$

$$No6 = (p = 400 - 0.1x)$$

```
No7 : N  = 90     ,
    : P1 = 6000   , P2 = 6200   , P3 = 6400   ,
    : B  = 200    , M  = 700000
No8 : P  = 11     , L  = 22     , A  = 169    , D  = 44
```

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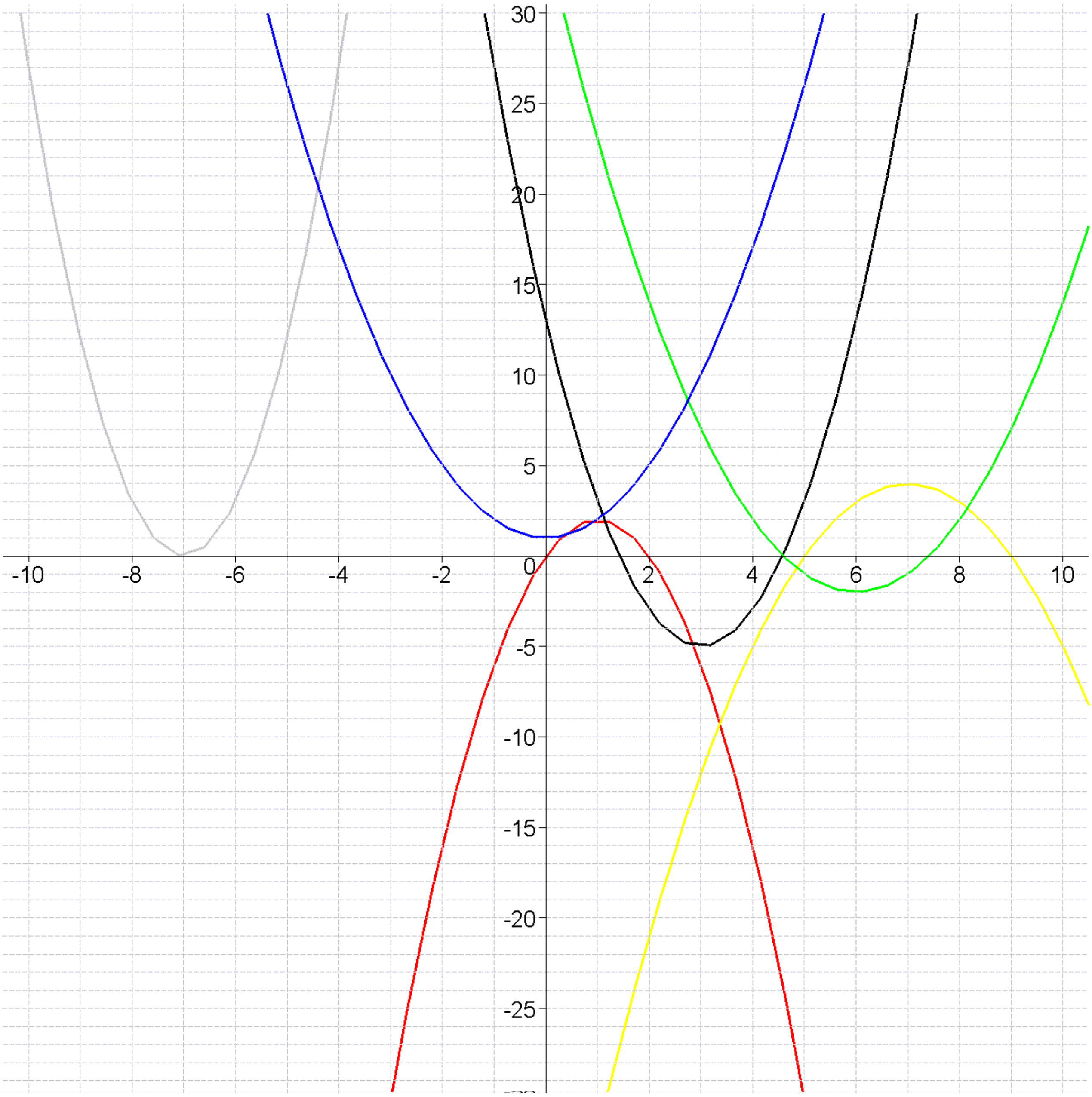
Function03 for No.10502

$$No1 = \begin{bmatrix} .1 = [y = x^2 + 1] & .3 = [y = -(x-7)^2 + 4] & .5 = [y = 2\,(x-3)^2 - 5] \\ .2 = [y = x^2 - 12\,x + 34] & .4 = [y = 3\,(x+7)^2] & .6 = [y = -2\,x^2 + 4\,x] \end{bmatrix}$$



$$No2 = (\mathrm{f}(x) = -x^2 - 4\,x - 4), \quad , No3 = (\mathrm{f}(x) = x^2 - 16)$$

$$No4 = (\mathrm{f}(x) = -x^2 + 2\,x + 3), \quad , No5 = (\mathrm{f}(x) = x^2 + 6\,x - 7)$$

$$No6 = (p = 200 - 0.4\,x)$$

```
No7 : N  = 130   ,
    : P1 = 3000  , P2 = 3300  , P3 = 3600  ,
    : B  = 300   , M  = 720000
No8 : P  = 8     , L  = 17    , A  = 144   , D  = 104
```

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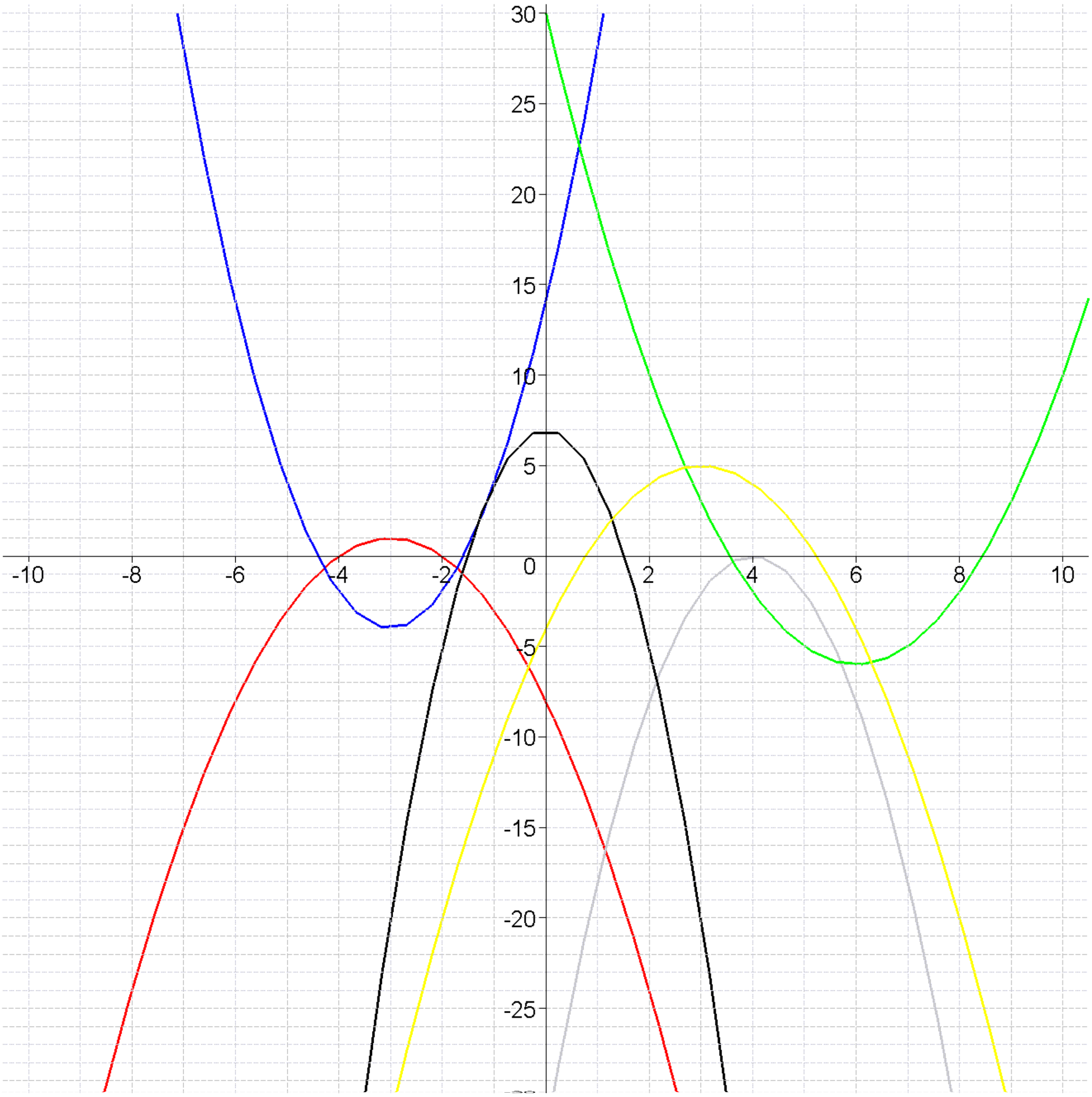
Function03 for No.10562

$$No1 = \begin{bmatrix} .1 = [y = -(x-3)^2 + 5] & .3 = [y = -3x^2 + 7] & .5 = [y = 2x^2 + 12x + 14] \\ .2 = [y = (x-6)^2 - 6] & .4 = [y = -2x^2 + 16x - 32] & .6 = [y = -(x+3)^2 + 1] \end{bmatrix}$$



$$No2 = (f(x) = -x^2 - 18x - 81), \quad , No3 = (f(x) = -x^2 + 10x - 24)$$

$$No4 = (f(x) = x^2 - 9), \quad , No5 = (f(x) = x^2 + 2x - 35)$$

$$No6 = (p = 100 - 0.4x)$$

```
No7 : N  = 80    ,
    : P1 = 6000  , P2 = 6500  , P3 = 7000  ,
    : B  = 500   , M  = 930000
No8 : P  = 8     , L  = 13    , A  = 169   , D  = 88
```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Function03 for No.10683

$$No1 = \begin{bmatrix} .1 = [y = -(x-5)^2 + 2] & .3 = [y = (x-5)^2] & .5 = [y = -2x^2 + 24x - 67] \\ .2 = [y = -(x-4)^2 - 6] & .4 = [y = 2x^2 - 16x + 33] & .6 = [y = -3x^2 - 6x - 1] \end{bmatrix}$$

$$No2 = (f(x) = x^2 - 4x - 5), \quad , No3 = (f(x) = x^2 - 25)$$

$$No4 = (f(x) = -x^2 - 18x - 81), \quad , No5 = (f(x) = -x^2 + 10x - 21)$$

$$No6 = (p = 100 - 0.2x)$$

```
No7 : N  = 80    ,
    : P1 = 7000  , P2 = 7500  , P3 = 8000  ,
    : B  = 500   , M  = 992000
No8 : P  = 4     , L  = 14    , A  = 100   , D  = 20
```

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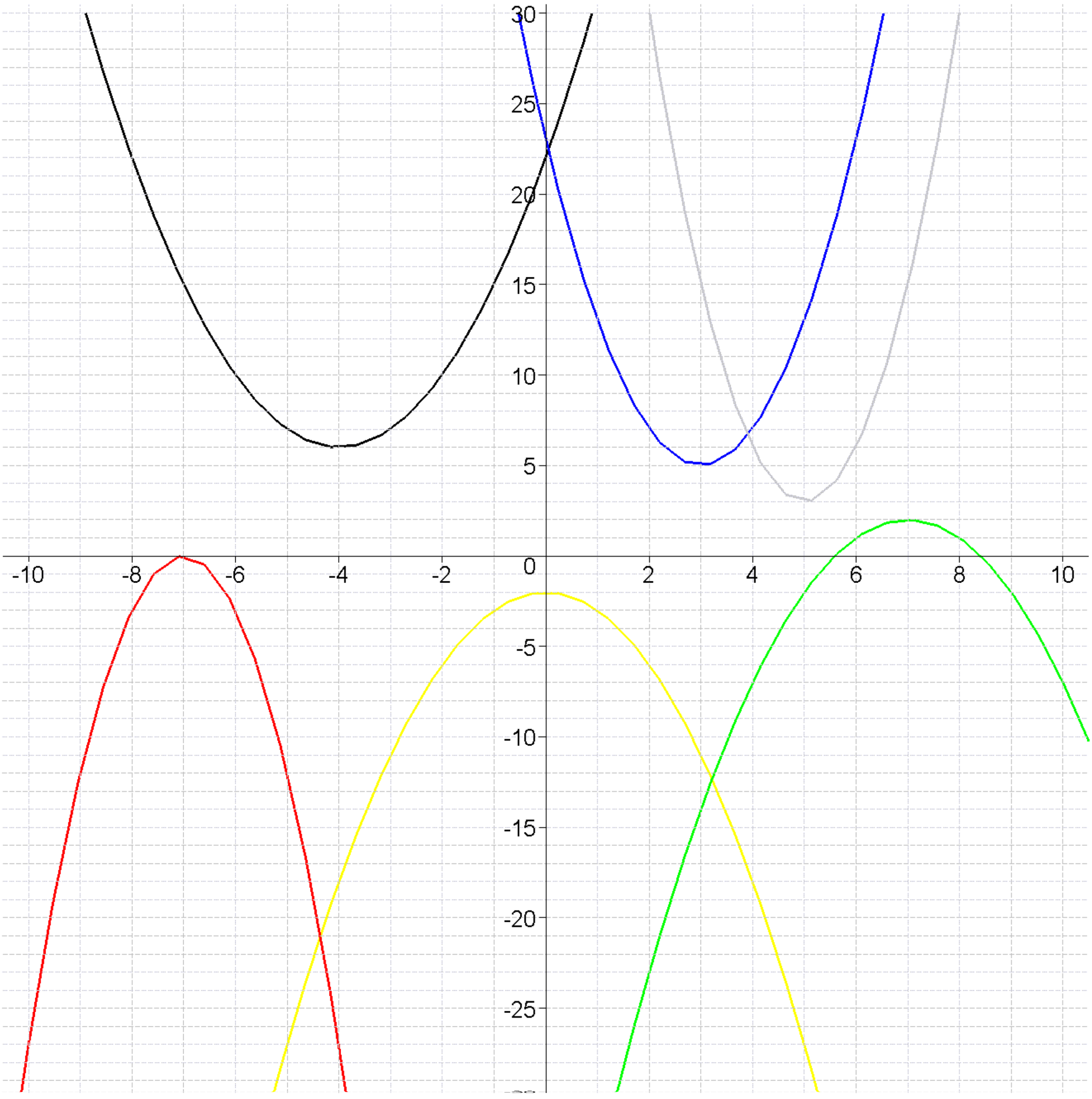
Function03 for No.11104

$$No1 = \begin{bmatrix} .1 = [y = -x^2 + 14\,x - 47] & .3 = [y = 2\,(x-3)^2 + 5] & .5 = [y = -3\,x^2 - 42\,x - 147] \\ .2 = [y = 3\,x^2 - 30\,x + 78] & .4 = [y = (x+4)^2 + 6] & .6 = [y = -x^2 - 2] \end{bmatrix}$$



$$No2 = (\,\mathrm{f}(x) = x^2 + 2\,x + 1\,), \quad , No3 = (\,\mathrm{f}(x) = x^2 - 4\,)$$

$$No4 = (\,\mathrm{f}(x) = x^2 + 2\,x - 48\,), \quad , No5 = (\,\mathrm{f}(x) = -x^2 + 10\,x - 21\,)$$

$$No6 = (p = 500 - 0.6\,x)$$

```
No7 : N  = 80     ,
    : P1 = 6000   , P2 = 6200   , P3 = 6400   ,
    : B  = 200    , M  = 597800
No8 : P  = 3      , L  = 11     , A  = 169    , D  = 39
```

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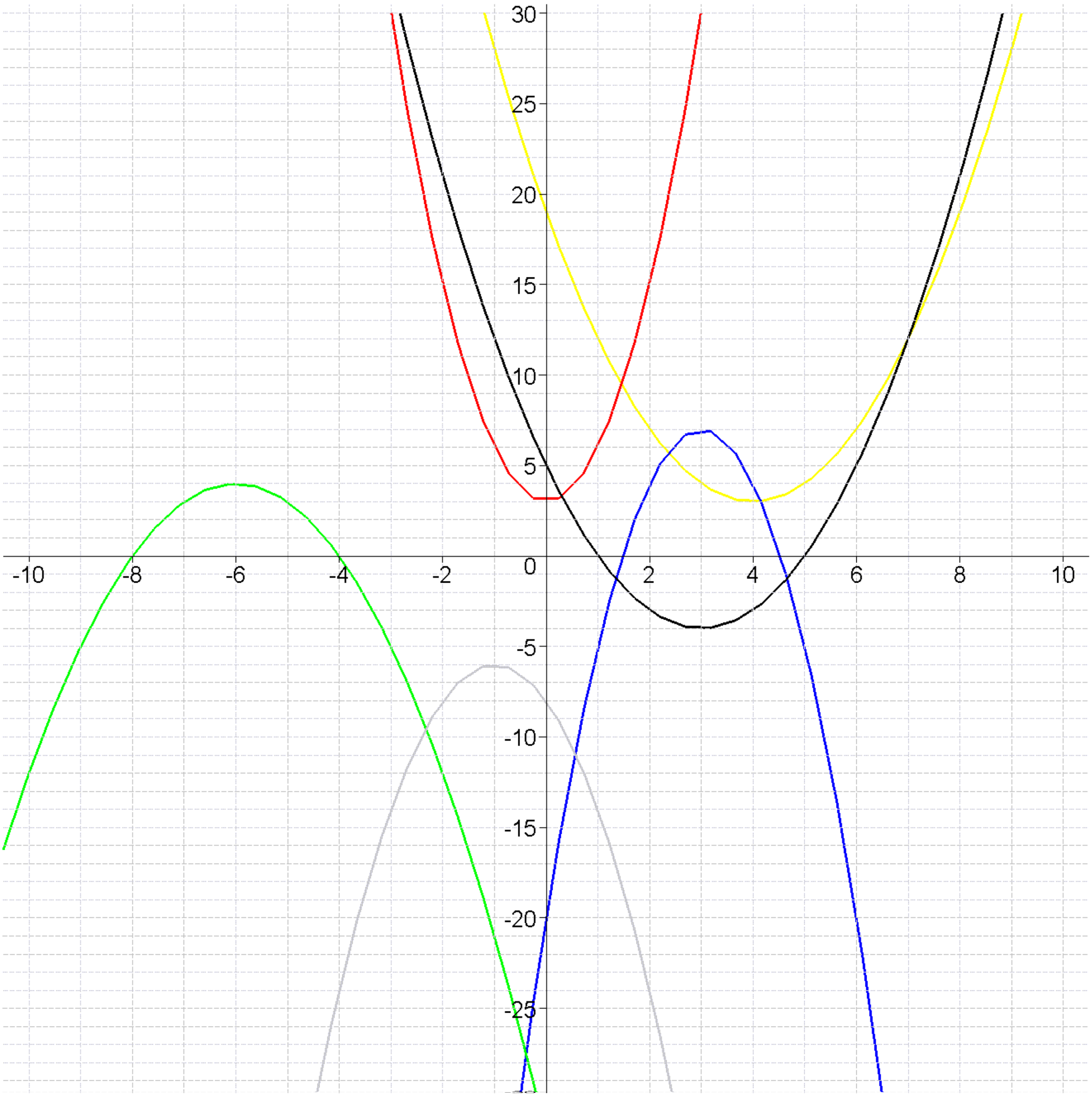
Function03 for No.11312

$$No1 = \begin{bmatrix} .1 = [y = -2(x+1)^2 - 6] & .3 = [y = 3x^2 + 3] & .5 = [y = -3x^2 + 18x - 20] \\ .2 = [y = (x-3)^2 - 4] & .4 = [y = -x^2 - 12x - 32] & .6 = [y = x^2 - 8x + 19] \end{bmatrix}$$



$$No2 = (f(x) = x^2 - 2x - 3), \quad , No3 = (f(x) = -x^2 + 2x + 15)$$

$$No4 = (f(x) = x^2 + 12x + 36), \quad , No5 = (f(x) = x^2 + 6x - 27)$$

$$No6 = (p = 100 - 0.3x)$$

```
No7 : N  = 70    ,
    : P1 = 6000  , P2 = 6500  , P3 = 7000  ,
    : B  = 500   , M  = 742500
No8 : P  = 9     , L  = 13    , A  = 36    , D  = 108
```

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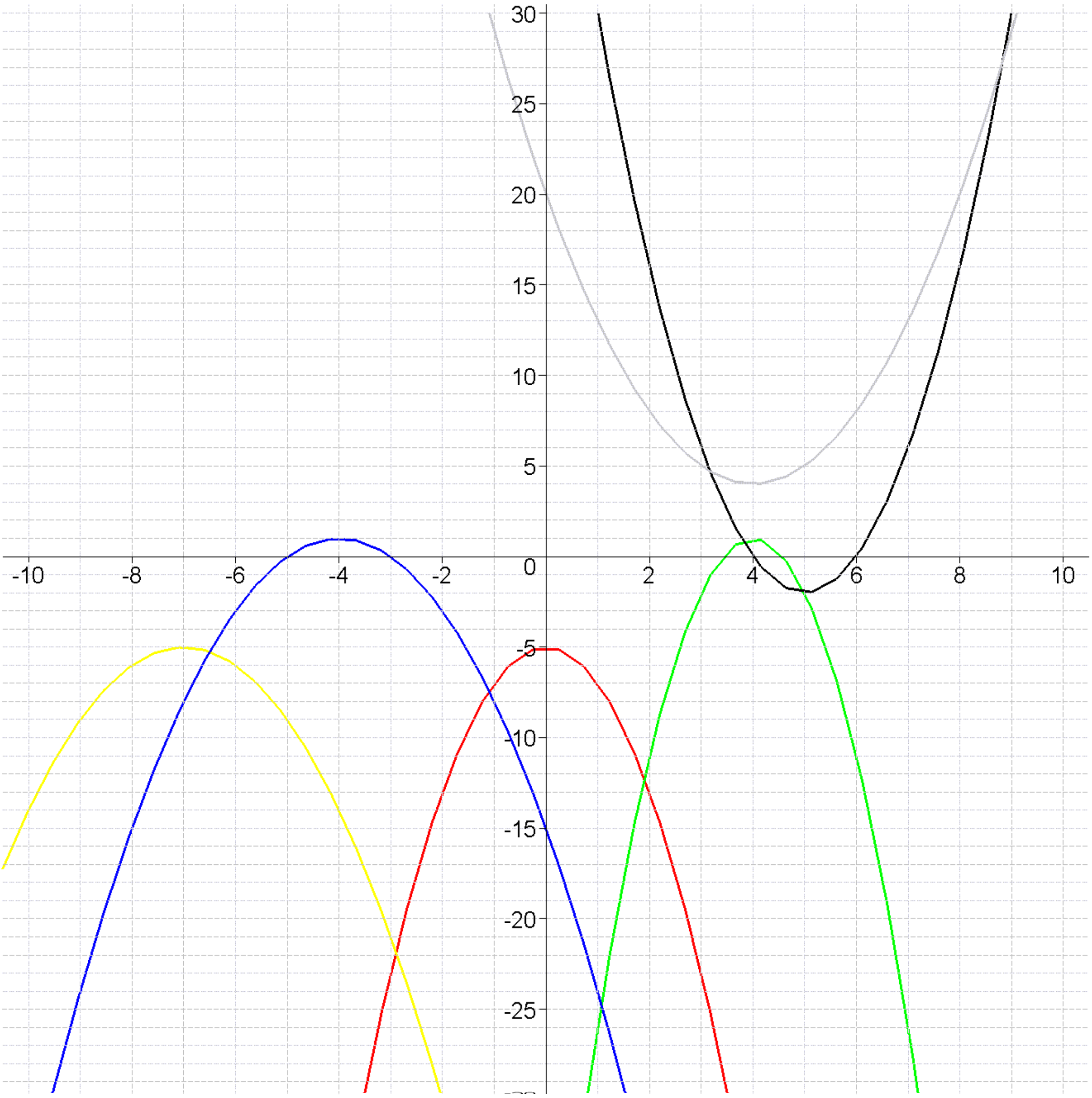
Function03 for No.11450

$$No1 = \begin{bmatrix} .1 = [y = (x-4)^2 + 4] & .3 = [y = -x^2 - 8x - 15] & .5 = [y = -(x+7)^2 - 5] \\ .2 = [y = 2(x-5)^2 - 2] & .4 = [y = -3x^2 + 24x - 47] & .6 = [y = -2x^2 - 5] \end{bmatrix}$$



$$No2 = (f(x) = -x^2 + 8x - 7), \quad , No3 = (f(x) = -x^2 + 2x + 3)$$

$$No4 = (f(x) = x^2 - 14x + 48), \quad , No5 = (f(x) = -x^2 + 12x - 36)$$

$$No6 = (p = 500 - 0.2x)$$

```
No7 : N  = 70     ,
    : P1 = 4000   , P2 = 4200   , P3 = 4400   ,
    : B  = 200    , M  = 365800
No8 : P  = 4      , L  = 8      , A  = 64     , D  = 40
```

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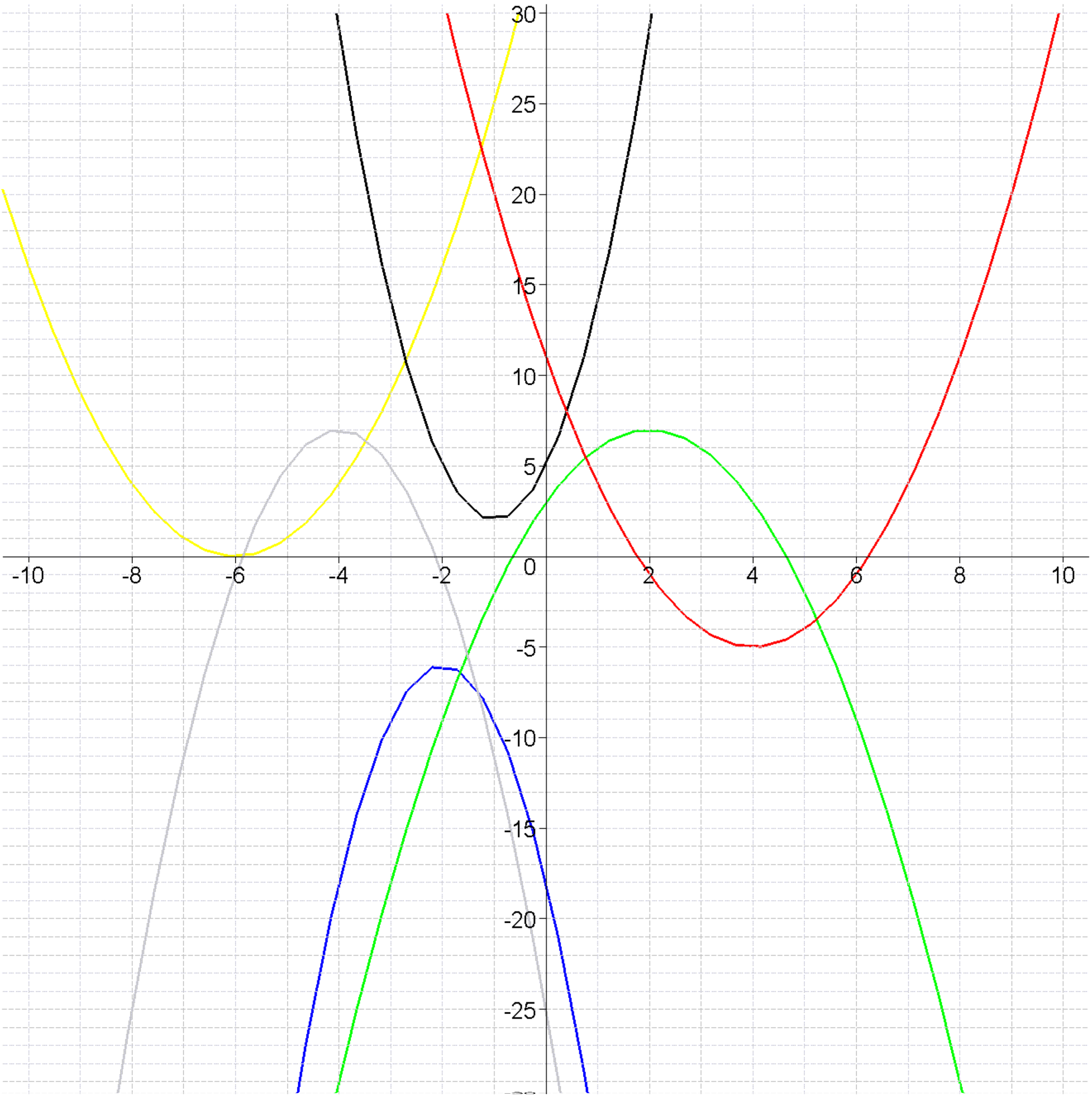
Function03 for No.12149

$$No1 = \begin{bmatrix} .1 = [y = x^2 - 8x + 11] & .3 = [y = -x^2 + 4x + 3] & .5 = [y = -3(x+2)^2 - 6] \\ .2 = [y = -2(x+4)^2 + 7] & .4 = [y = 3x^2 + 6x + 5] & .6 = [y = (x+6)^2] \end{bmatrix}$$



$$No2 = (f(x) = x^2 - 4x - 5), \quad , No3 = (f(x) = -x^2 - 2x + 3)$$

$$No4 = (f(x) = x^2 + 10x + 9), \quad , No5 = (f(x) = -x^2 - 10x - 25)$$

$$No6 = (p = 600 - 0.3x)$$

```
No7 : N  = 80     ,
    : P1 = 4000   , P2 = 4400   , P3 = 4800   ,
    : B  = 400    , M  = 616400
No8 : P  = 1      , L  = 6      , A  = 121    , D  = 10
```

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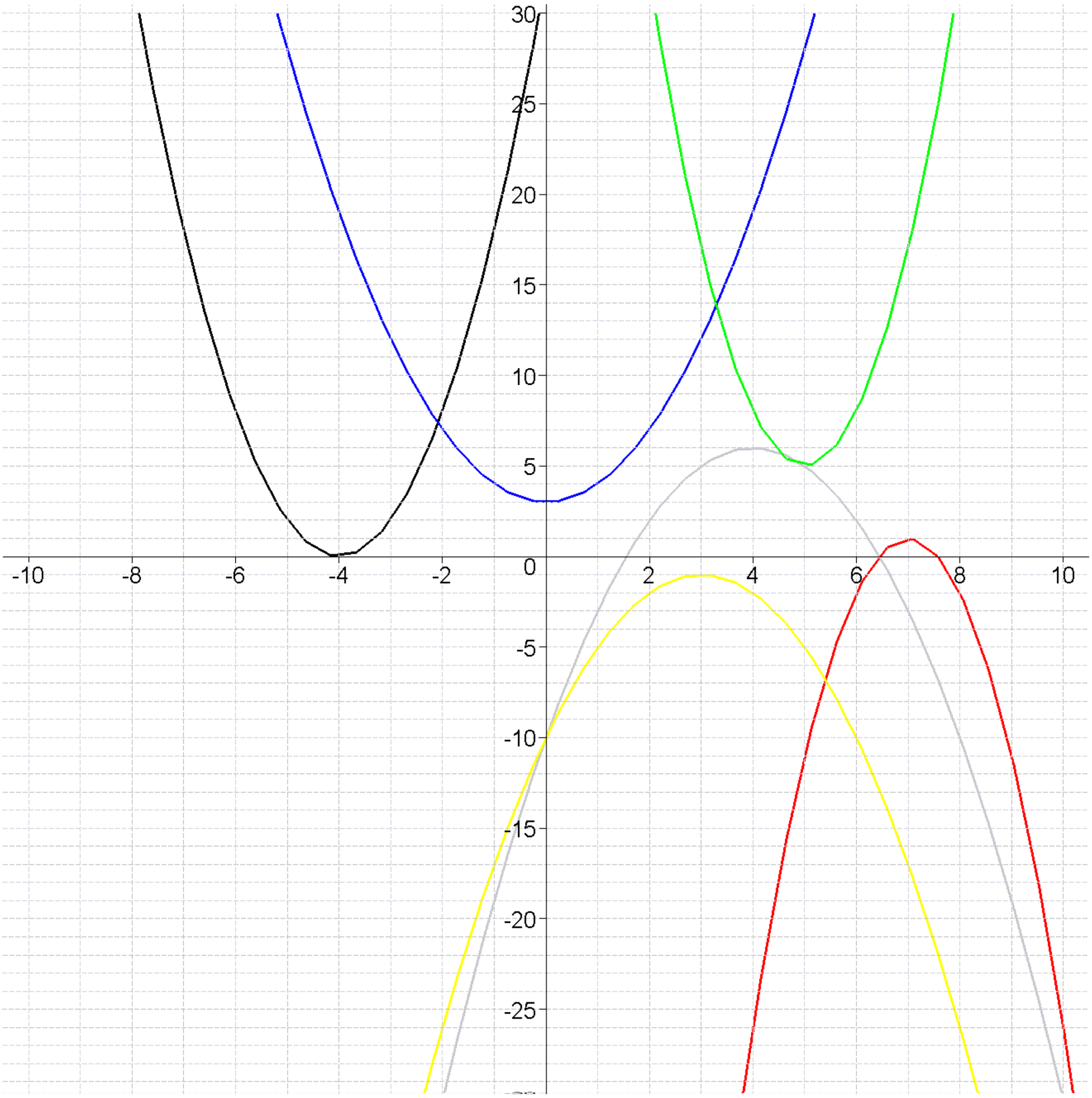
Function03 for No.12181

$$No1 = \begin{bmatrix} .1 = [y = 3\,(x-5)^2 + 5] & .3 = [y = -x^2 + 6\,x - 10] & .5 = [y = -3\,x^2 + 42\,x - 146] \\ .2 = [y = x^2 + 3] & .4 = [y = -x^2 + 8\,x - 10] & .6 = [y = 2\,(x+4)^2] \end{bmatrix}$$



$$No2 = (\mathrm{f}(x) = -x^2 + 81), \quad , No3 = (\mathrm{f}(x) = -x^2 + 6\,x - 5)$$

$$No4 = (\mathrm{f}(x) = -x^2 + 16\,x - 64), \quad , No5 = (\mathrm{f}(x) = x^2 - 4\,x - 21)$$

$$No6 = (p = 200 - 0.4\,x)$$

```
No7 : N  = 100   ,
    : P1 = 6000  , P2 = 6300  , P3 = 6600  ,
    : B  = 300   , M  = 907200
No8 : P  = 8     , L  = 16    , A  = 16    , D  = 32
```

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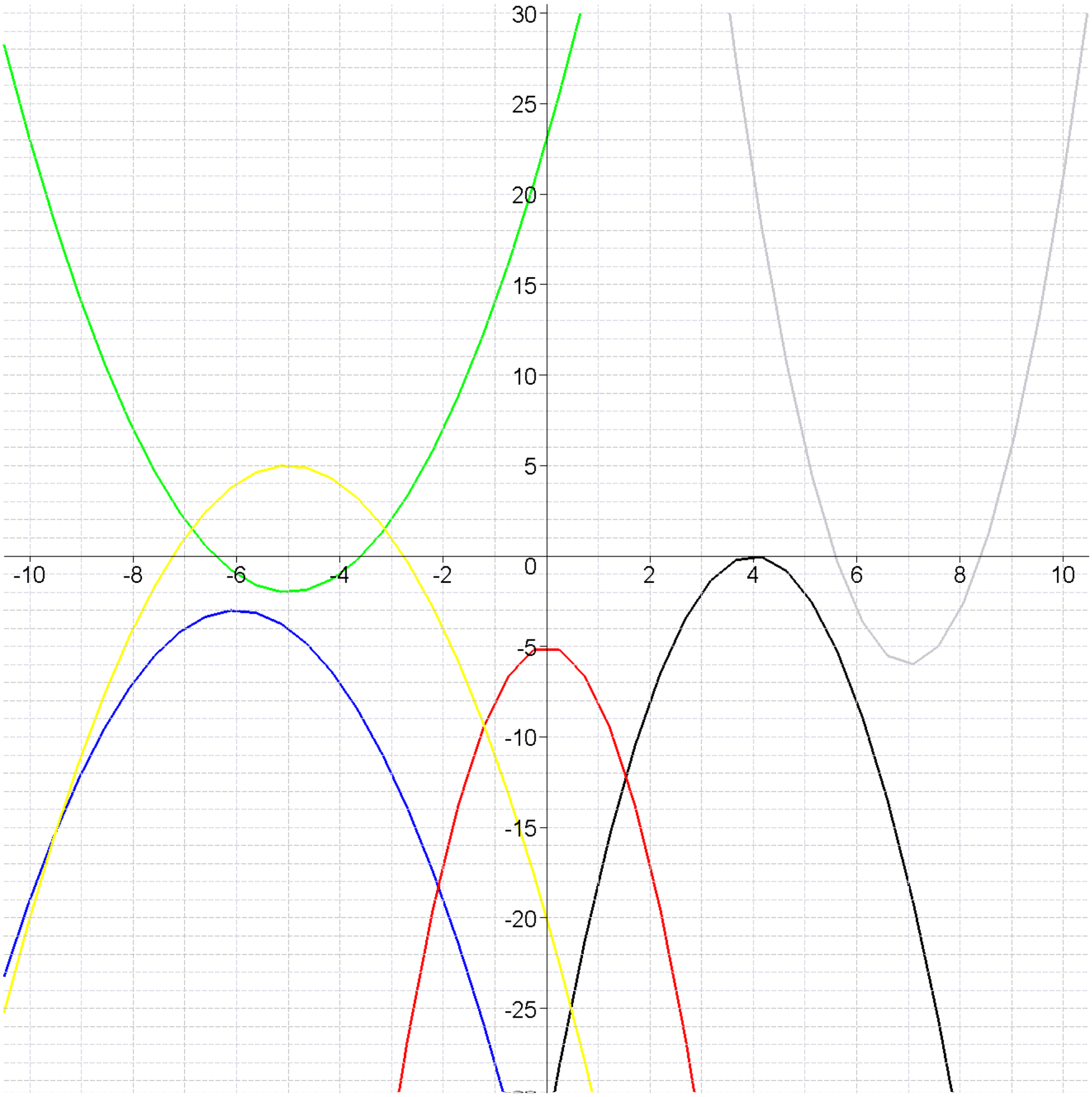
Function03 for No.12234

$$No1 = \begin{bmatrix} .1 = [y = -x^2 - 10\,x - 20] & .3 = [y = -x^2 - 12\,x - 39] & .5 = [y = 3\,(x-7)^2 - 6] \\ .2 = [y = -3\,x^2 - 5] & .4 = [y = -2\,x^2 + 16\,x - 32] & .6 = [y = (x+5)^2 - 2] \end{bmatrix}$$



$$No2 = (\,f(x) = x^2 + 16\,x + 63\,), \quad , No3 = (\,f(x) = x^2 + 16\,x + 64\,)$$

$$No4 = (\,f(x) = x^2 - 8\,x), \quad , No5 = (\,f(x) = -x^2 + 2\,x + 8\,)$$

$$No6 = (p = 500 - 0.3\,x)$$

```
No7 : N  = 80     ,
    : P1 = 4000   , P2 = 4400   , P3 = 4800   ,
    : B  = 400    , M  = 579600
No8 : P  = 4      , L  = 14     , A  = 144    , D  = 40
```

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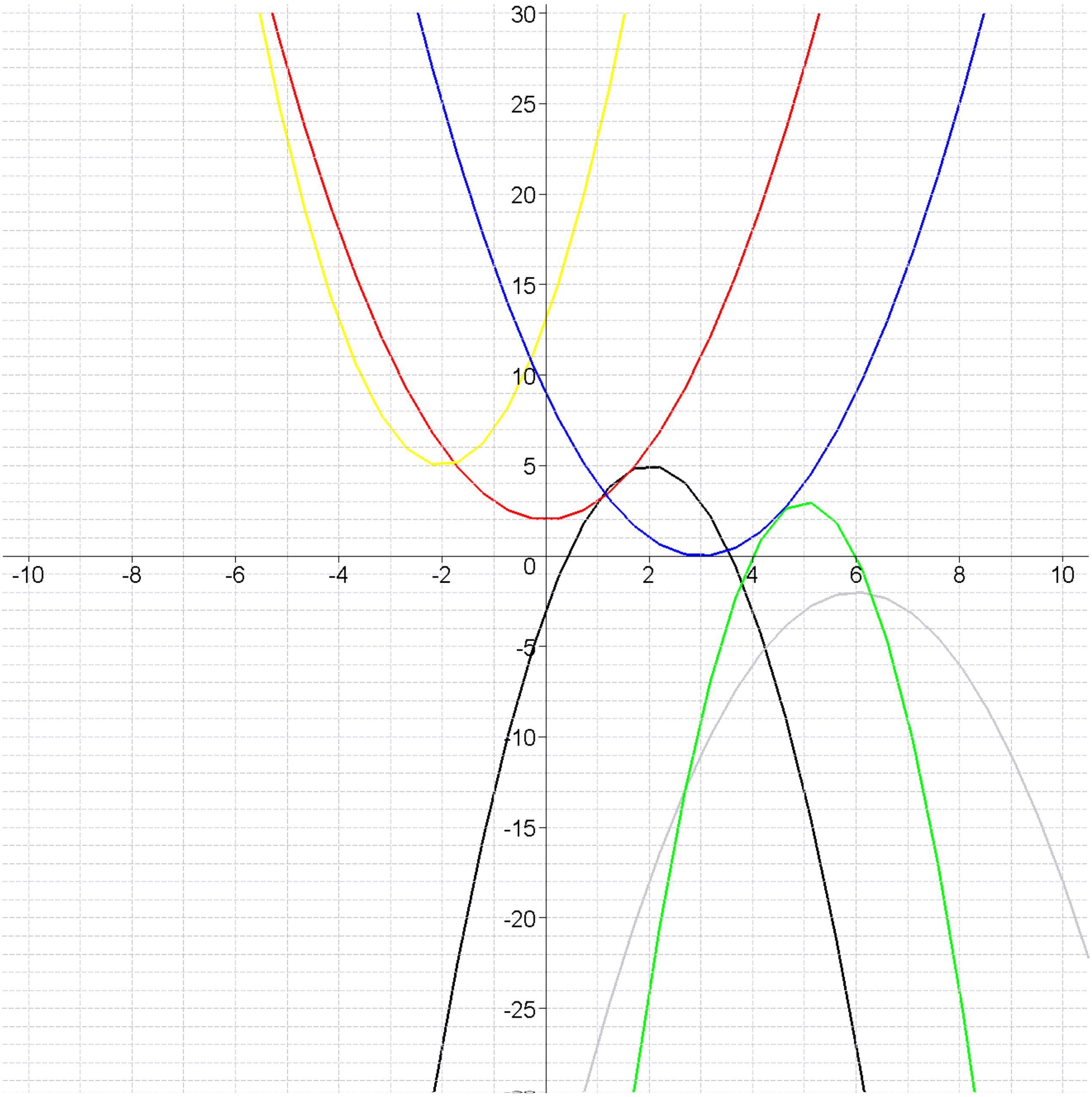
Function03 for No.12288

$$No1 = \begin{bmatrix} .1 = [y = x^2 - 6x + 9] & .3 = [y = -(x-6)^2 - 2] & .5 = [y = x^2 + 2] \\ .2 = [y = -3x^2 + 30x - 72] & .4 = [y = 2x^2 + 8x + 13] & .6 = [y = -2(x-2)^2 + 5] \end{bmatrix}$$



$$No2 = (f(x) = -x^2 + 2x - 1), \quad , No3 = (f(x) = x^2 + 2x - 3)$$

$$No4 = (f(x) = -x^2 + 8x), \quad , No5 = (f(x) = x^2 - 2x - 8)$$

$$No6 = (p = 100 - 0.7x)$$

```
No7 : N  = 130    ,
    : P1 = 6000   , P2 = 6600   , P3 = 7200   ,
    : B  = 600    , M  = 2073600
No8 : P  = 7      , L  = 15     , A  = 144    , D  = 35
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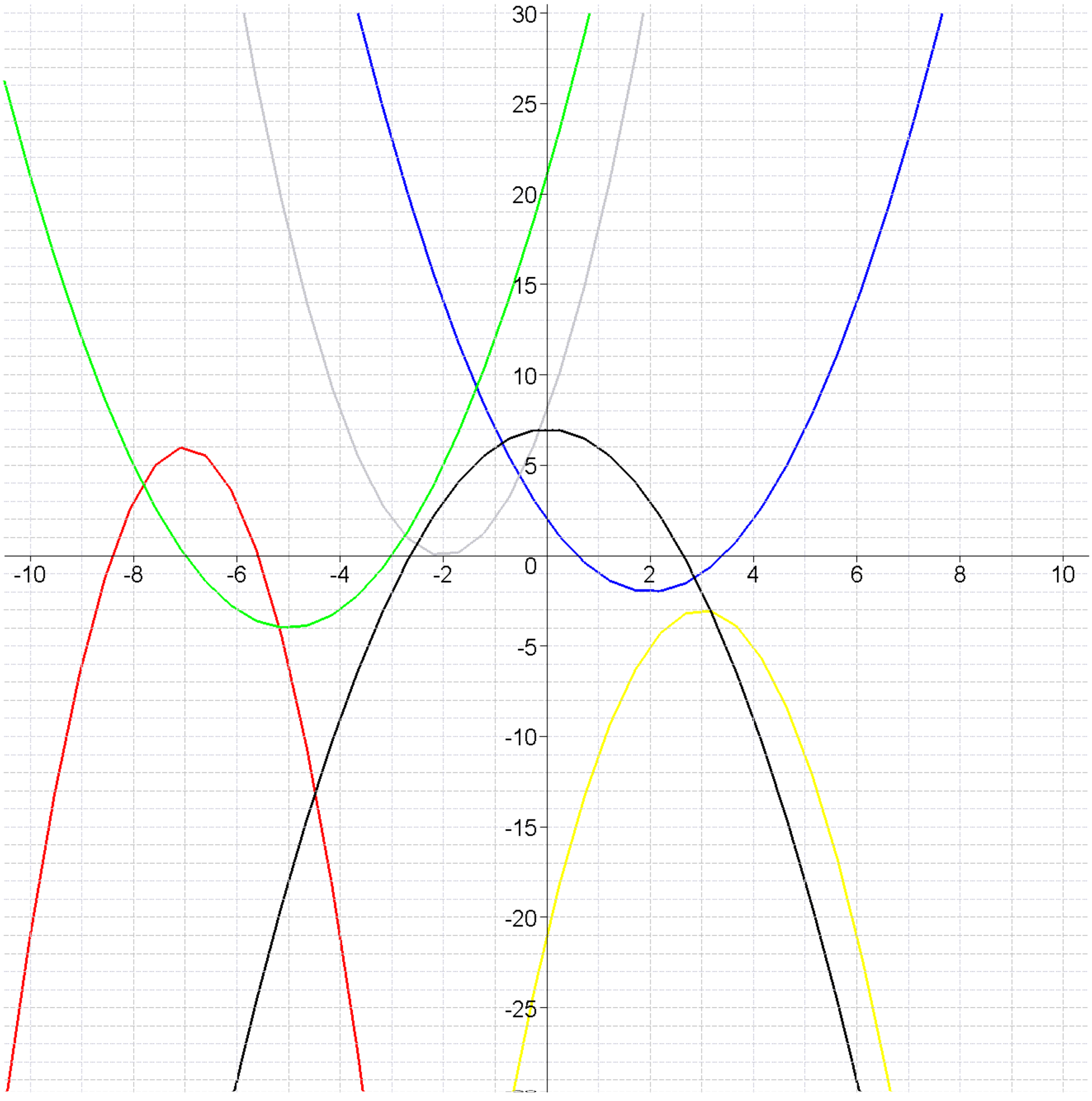
Function03 for No.12311

$$No1 = \begin{bmatrix} .1 = [y = x^2 + 10\,x + 21] & .3 = [y = -3\,(x+7)^2 + 6] & .5 = [y = -2\,x^2 + 12\,x - 21] \\ .2 = [y = -x^2 + 7] & .4 = [y = 2\,x^2 + 8\,x + 8] & .6 = [y = (x-2)^2 - 2] \end{bmatrix}$$



$$No2 = (\mathrm{f}(x) = x^2 - 6\,x + 5), \quad , No3 = (\mathrm{f}(x) = x^2 + 16\,x + 63)$$

$$No4 = (\mathrm{f}(x) = x^2 - 2\,x + 1), \quad , No5 = (\mathrm{f}(x) = -x^2 + 9)$$

$$No6 = (p = 500 - 0.2\,x)$$

No7 : N = 120 ,
: P1 = 6000 , P2 = 6300 , P3 = 6600 ,
: B = 300 , M = 1059300
No8 : P = 4 , L = 7 , A = 169 , D = 24
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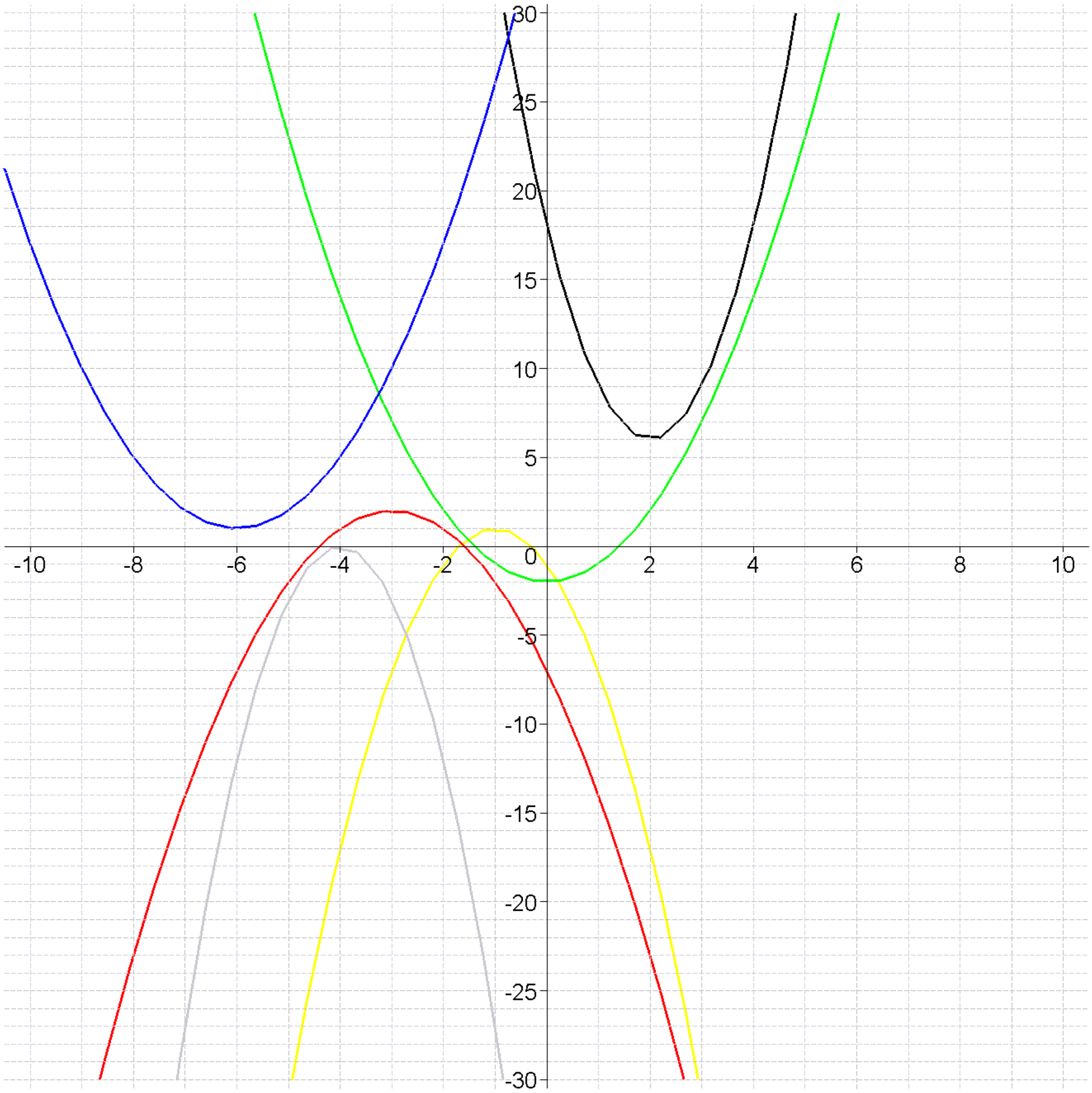
Function03 for No.12318

$$No1 = \begin{bmatrix} .1 = [y = -3\,(x+4)^2] & .3 = [y = x^2 - 2] & .5 = [y = -2\,(x+1)^2 + 1] \\ .2 = [y = x^2 + 12\,x + 37] & .4 = [y = -x^2 - 6\,x - 7] & .6 = [y = 3\,(x-2)^2 + 6] \end{bmatrix}$$



$$No2 = (\,\mathrm{f}(x) = x^2 - 10\,x + 24\,), \quad , No3 = (\,\mathrm{f}(x) = -x^2 + 2\,x + 3\,)$$

$$No4 = (\,\mathrm{f}(x) = x^2 - 16\,x + 64\,), \quad , No5 = (\,\mathrm{f}(x) = x^2 - 4\,x - 45\,)$$

$$No6 = (p = 500 - 0.3\,x)$$

```
No7 : N  = 100   ,
    : P1 = 4000  , P2 = 4500  , P3 = 5000  ,
    : B  = 500   , M  = 880000
No8 : P  = 7     , L  = 15    , A  = 100   , D  = 70
```

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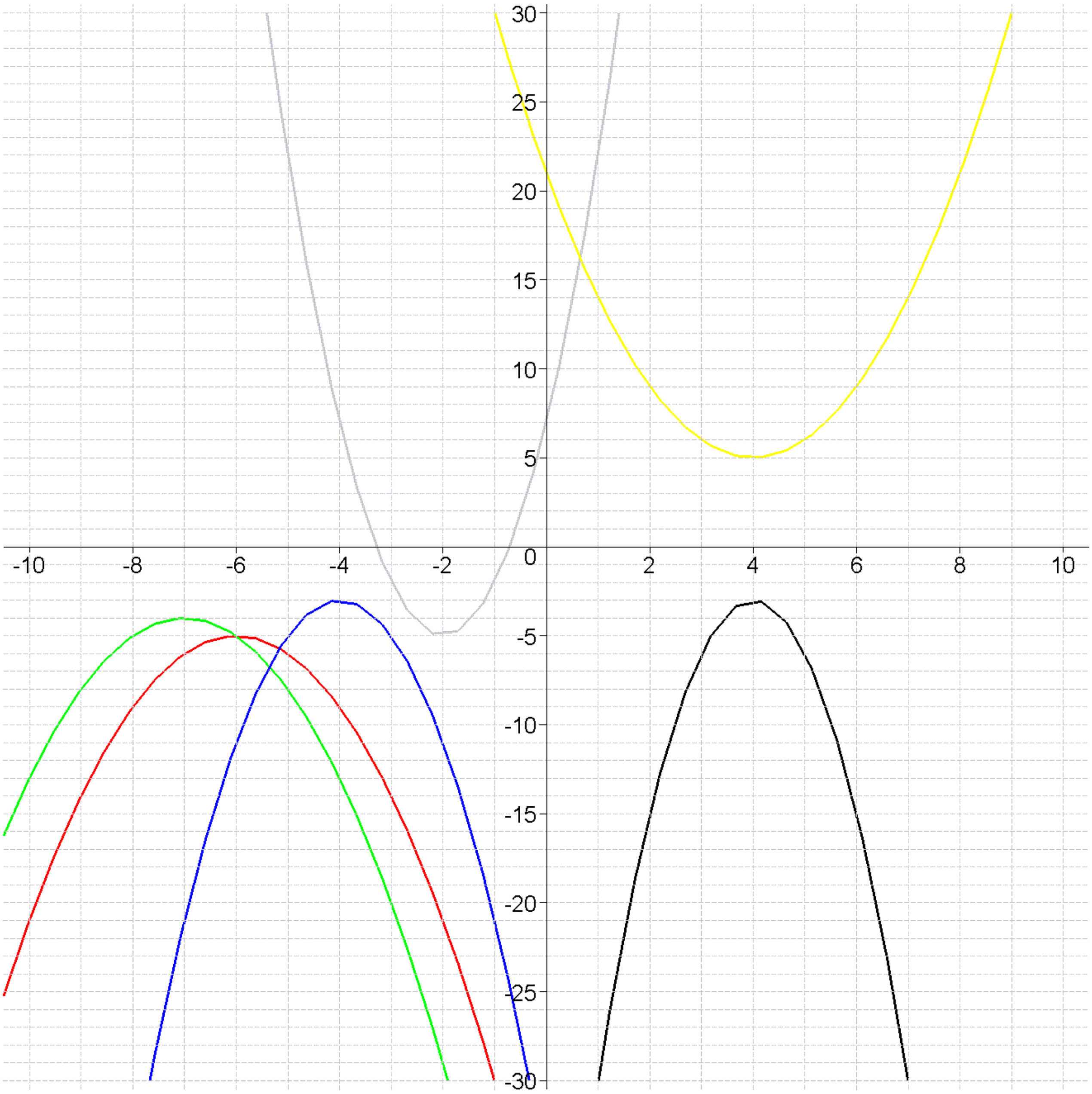
Function03 for No.12322

$$No1 = \begin{bmatrix} .1 = [y = -2x^2 - 16x - 35] & .3 = [y = x^2 - 8x + 21] & .5 = [y = 3(x+2)^2 - 5] \\ .2 = [y = -x^2 - 14x - 53] & .4 = [y = -3(x-4)^2 - 3] & .6 = [y = -(x+6)^2 - 5] \end{bmatrix}$$



$$No2 = (f(x) = x^2 + 4x + 3), \quad , No3 = (f(x) = -x^2 - 6x - 8)$$

$$No4 = (f(x) = -x^2 - 18x - 81), \quad , No5 = (f(x) = x^2 - 10x + 21)$$

$$No6 = (p = 400 - 0.5x)$$

```
No7 : N  = 110   ,
    : P1 = 3000  , P2 = 3300  , P3 = 3600  ,
    : B  = 300   , M  = 646800
No8 : P  = 8     , L  = 18    , A  = 49    , D  = 80
```

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Function03 for No.12335

$$No1 = \begin{bmatrix} .1 = [y = 3\,(x+7)^2 + 7] & .3 = [y = x^2 - 4\,x - 1] & .5 = [y = x^2 + 1] \\ .2 = [y = -3\,x^2 - 6\,x + 4] & .4 = [y = 2\,(x-3)^2 + 4] & .6 = [y = -x^2 + 14\,x - 46] \end{bmatrix}$$

$$No2 = (\mathrm{f}(x) = x^2 + 6\,x), \quad , No3 = (\mathrm{f}(x) = -x^2 - 6\,x - 5)$$

$$No4 = (\mathrm{f}(x) = x^2 - 10\,x + 25), \quad , No5 = (\mathrm{f}(x) = x^2 - 4\,x - 32)$$

$$No6 = (p = 200 - 0.1\,x)$$

```
No7 : N  = 90     ,
    : P1 = 3000   , P2 = 3300   , P3 = 3600   ,
    : B  = 300    , M  = 562500
No8 : P  = 9      , L  = 14     , A  = 169    , D  = 54
```

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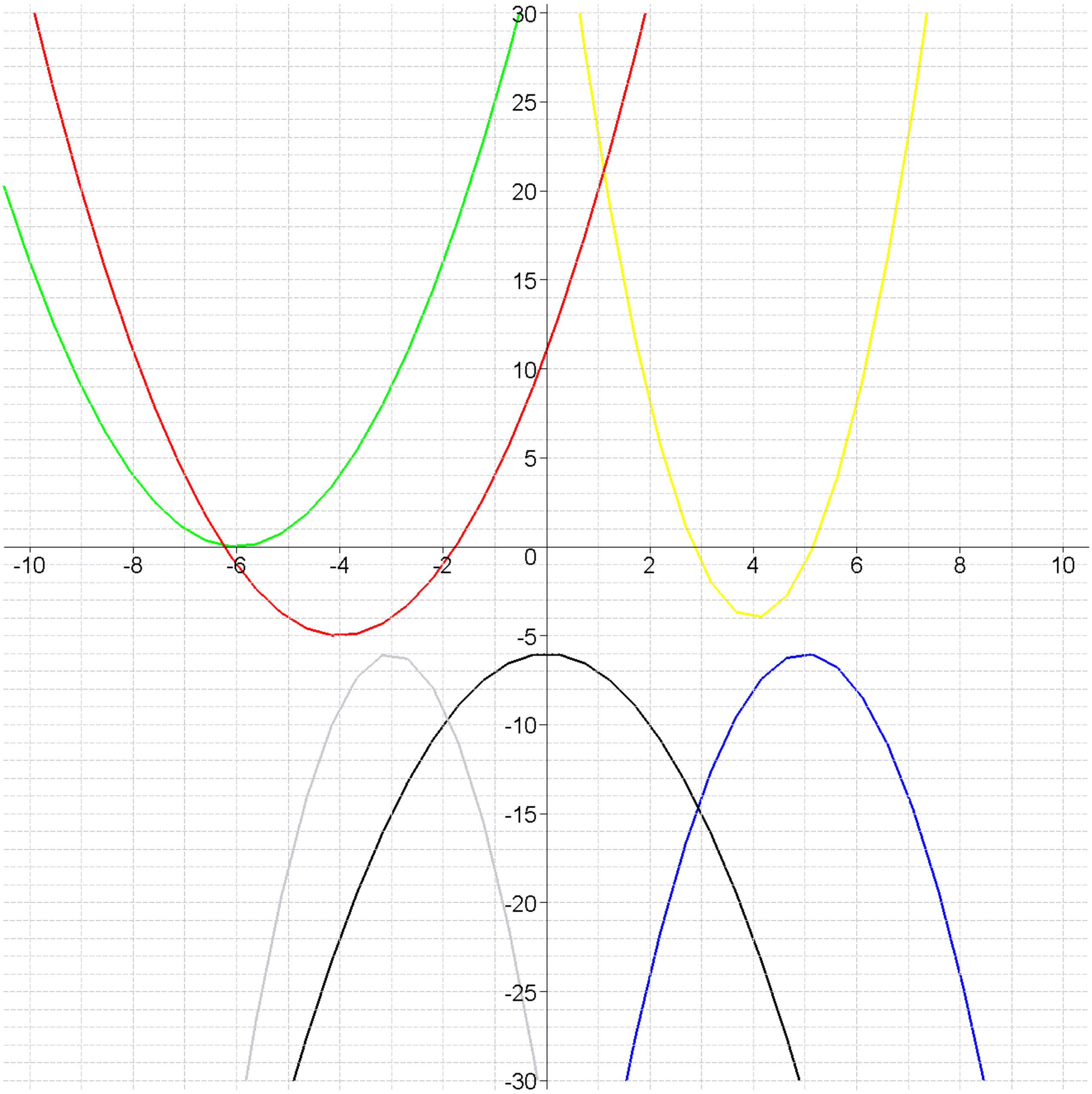
Function03 for No.12340

$$No1 = \begin{bmatrix} .1 = [y = (x+4)^2 - 5] & .3 = [y = -3x^2 - 18x - 33] & .5 = [y = -x^2 - 6] \\ .2 = [y = 3(x-4)^2 - 4] & .4 = [y = x^2 + 12x + 36] & .6 = [y = -2(x-5)^2 - 6] \end{bmatrix}$$



$$No2 = (f(x) = -x^2 + 8x), \quad , No3 = (f(x) = -x^2 - 12x - 36)$$

$$No4 = (f(x) = x^2 + 6x - 27), \quad , No5 = (f(x) = x^2 - 4x + 3)$$

$$No6 = (p = 400 - 0.2x)$$

```
No7 : N  = 120   ,
    : P1 = 7000  , P2 = 7500  , P3 = 8000  ,
    : B  = 500   , M  = 1522500
No8 : P  = 9     , L  = 10    , A  = 100   , D  = 99
```

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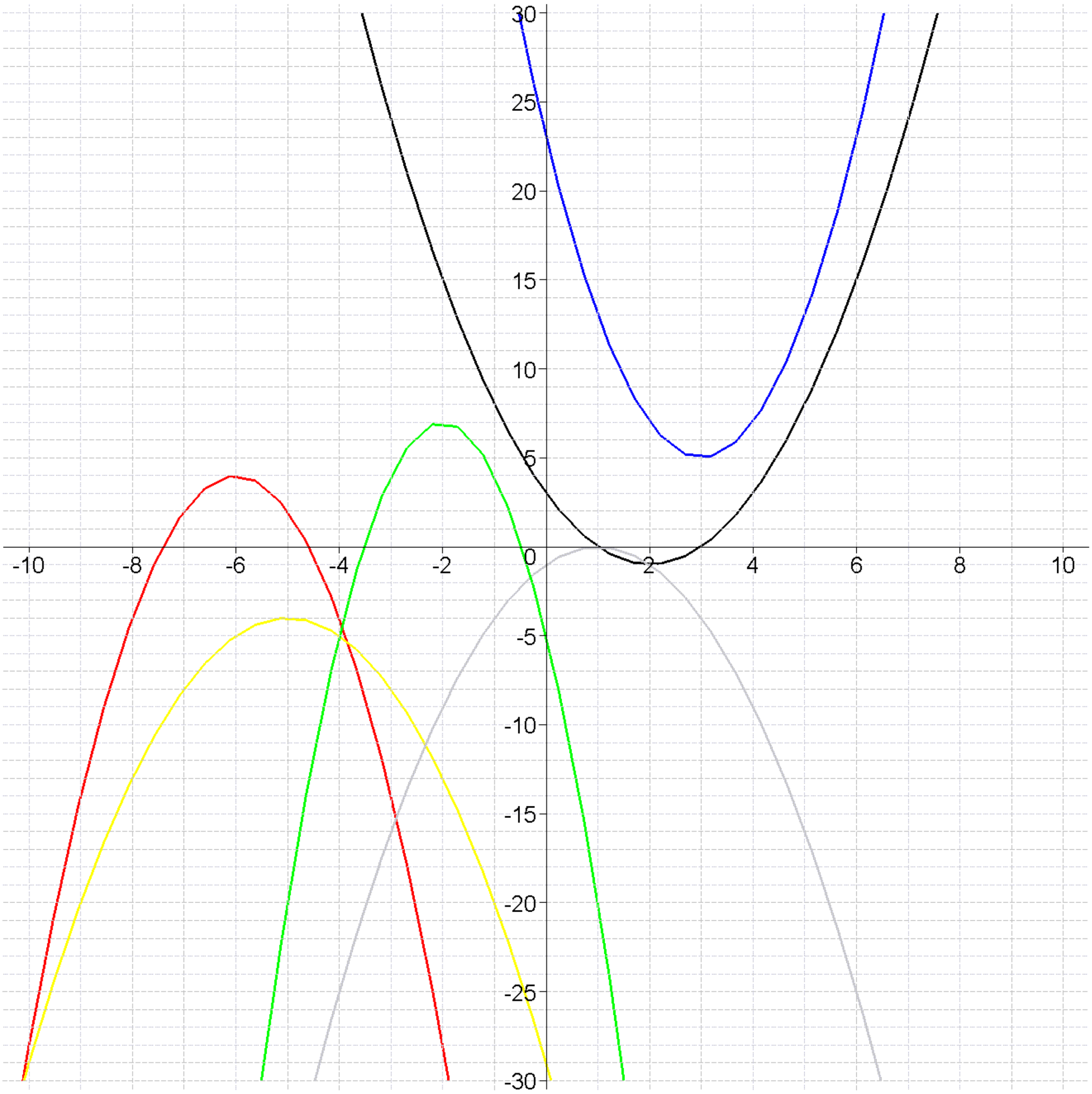
Function03 for No.12342

$$No1 = \begin{bmatrix} .1 = [y = -3x^2 - 12x - 5] & .3 = [y = -(x+5)^2 - 4] & .5 = [y = x^2 - 4x + 3] \\ .2 = [y = -x^2 + 2x - 1] & .4 = [y = -2(x+6)^2 + 4] & .6 = [y = 2(x-3)^2 + 5] \end{bmatrix}$$



$$No2 = (\mathrm{f}(x) = x^2 - 6x), \quad , No3 = (\mathrm{f}(x) = -x^2 + 4x + 32)$$

$$No4 = (\mathrm{f}(x) = x^2 - 10x + 9), \quad , No5 = (\mathrm{f}(x) = -x^2 - 10x - 25)$$

$$No6 = (p = 700 - 0.6x)$$

```
No7 : N  = 110    ,
    : P1 = 6000   , P2 = 6600   , P3 = 7200   ,
    : B  = 600    , M  = 1689600
No8 : P  = 8      , L  = 19     , A  = 25     , D  = 64
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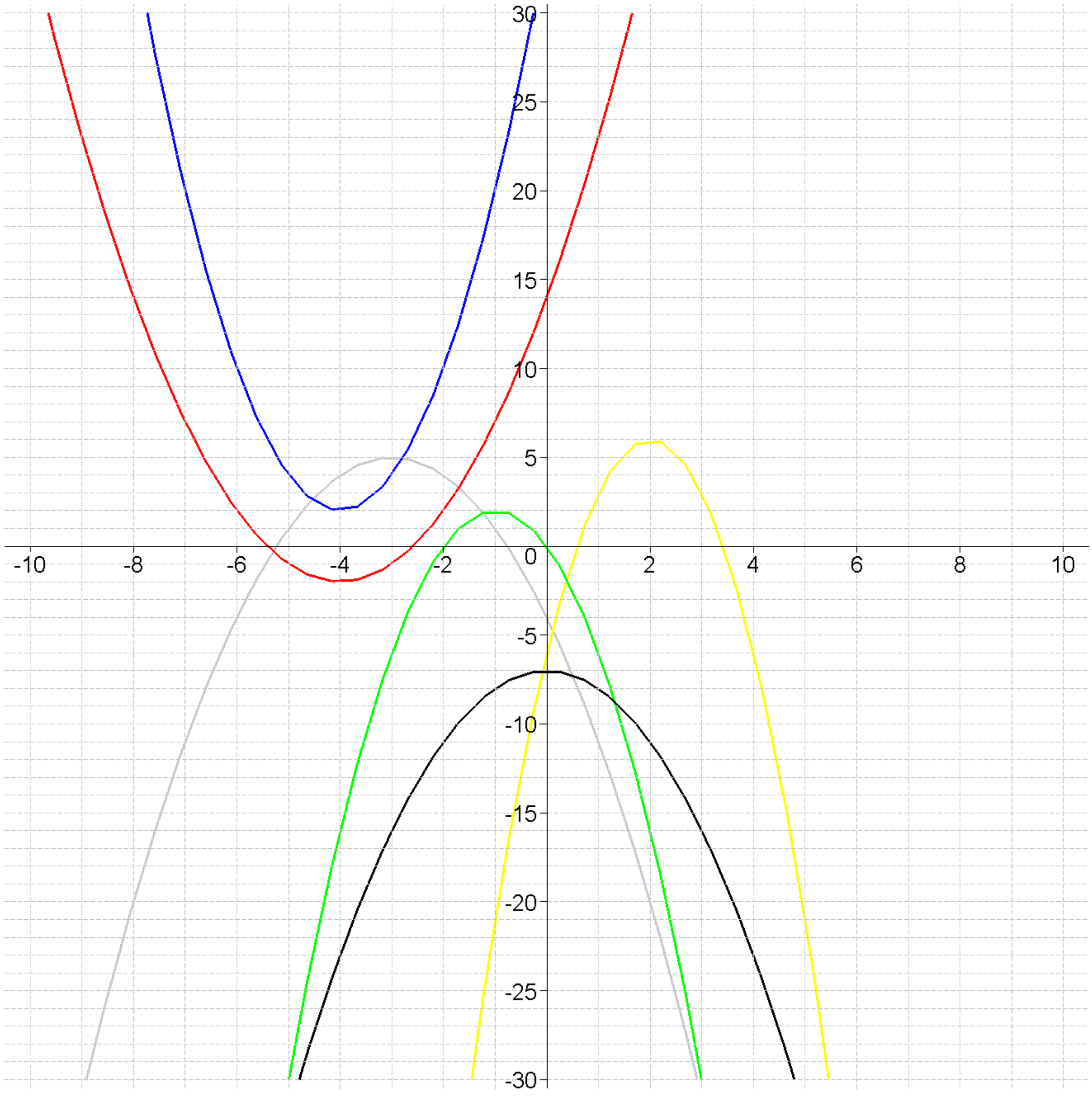
Function03 for No.645201

$$No1 = \begin{bmatrix} .1 = [y = -x^2 - 7] & .3 = [y = x^2 + 8x + 14] & .5 = [y = -3(x-2)^2 + 6] \\ .2 = [y = -2(x+1)^2 + 2] & .4 = [y = 2(x+4)^2 + 2] & .6 = [y = -x^2 - 6x - 4] \end{bmatrix}$$



$$No2 = (f(x) = -x^2 + 2x + 15), \quad , No3 = (f(x) = x^2 + 10x + 24)$$

$$No4 = (f(x) = x^2 + 6x + 9), \quad , No5 = (f(x) = -x^2 - 4x + 5)$$

$$No6 = (p = 600 - 0.6x)$$

```
   No7 : N  = 130    ,
       : P1 = 3000   , P2 = 3500   , P3 = 4000   ,
       : B  = 500    , M  = 1111500
   No8 : P  = 9      , L  = 19     , A  = 36     , D  = 63
```

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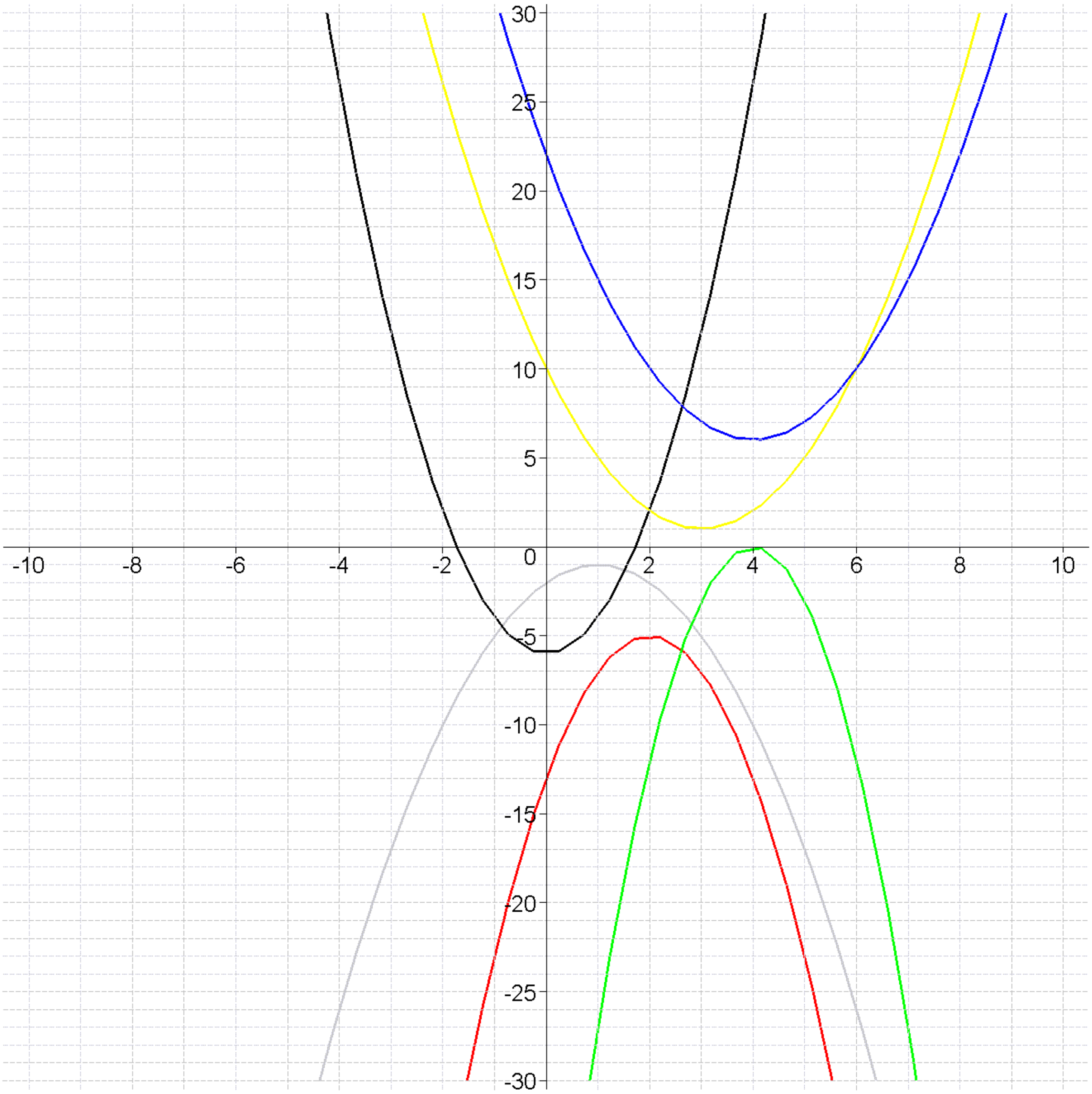
Function03 for No.645202

$$No1 = \begin{bmatrix} .1 = [y = (x-4)^2 + 6] & .3 = [y = (x-3)^2 + 1] & .5 = [y = 2x^2 - 6] \\ .2 = [y = -3(x-4)^2] & .4 = [y = -2x^2 + 8x - 13] & .6 = [y = -x^2 + 2x - 2] \end{bmatrix}$$



$$No2 = (f(x) = -x^2 + 4x + 32), \quad , No3 = (f(x) = -x^2 - 4x + 21)$$

$$No4 = (f(x) = x^2 - 25), \quad , No5 = (f(x) = -x^2 - 2x - 1)$$

$$No6 = (p = 200 - 0.1x)$$

```
No7 : N  = 100   ,
    : P1 = 5000  , P2 = 5500  , P3 = 6000  ,
    : B  = 500   , M  = 1224500
No8 : P  = 3     , L  = 11    , A  = 25    , D  = 30
```

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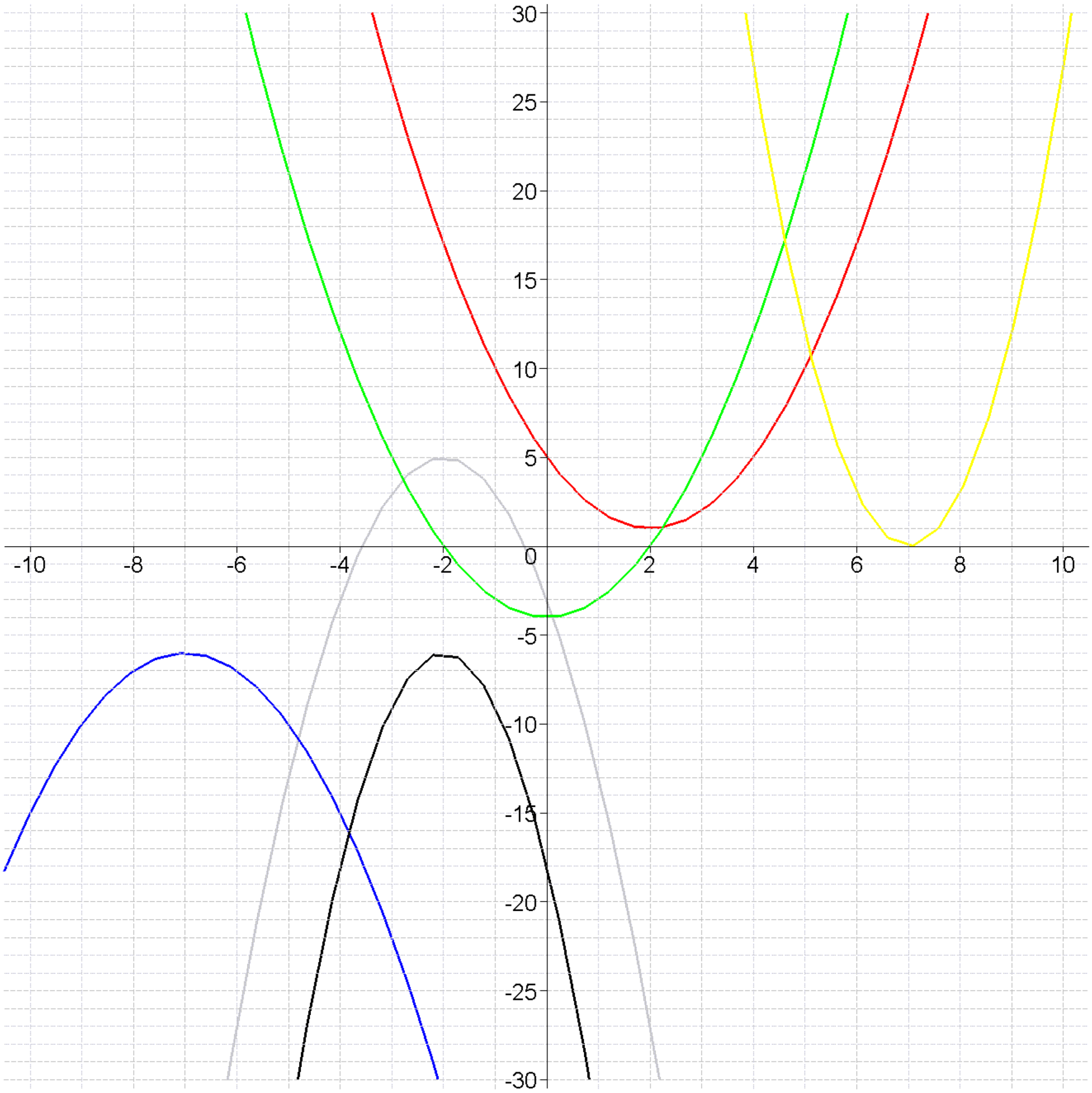
Function03 for No.645203

$$No1 = \begin{bmatrix} .1 = [y = 3\,(x-7)^2] & .3 = [y = -3\,x^2 - 12\,x - 18] & .5 = [y = -(x+7)^2 - 6] \\ .2 = [y = x^2 - 4] & .4 = [y = x^2 - 4\,x + 5] & .6 = [y = -2\,x^2 - 8\,x - 3] \end{bmatrix}$$



$$No2 = (\mathrm{f}(x) = x^2 - 4\,x + 4), \quad , No3 = (\mathrm{f}(x) = -x^2 - 12\,x - 32)$$

$$No4 = (\mathrm{f}(x) = x^2 - 49), \quad , No5 = (\mathrm{f}(x) = -x^2 - 6\,x)$$

$$No6 = (p = 600 - 0.3\,x)$$

```
   No7 : N  = 70     ,
       : P1 = 6000   , P2 = 6600   , P3 = 7200   ,
       : B  = 600    , M  = 887400
   No8 : P  = 4      , L  = 6      , A  = 25     , D  = 24
```

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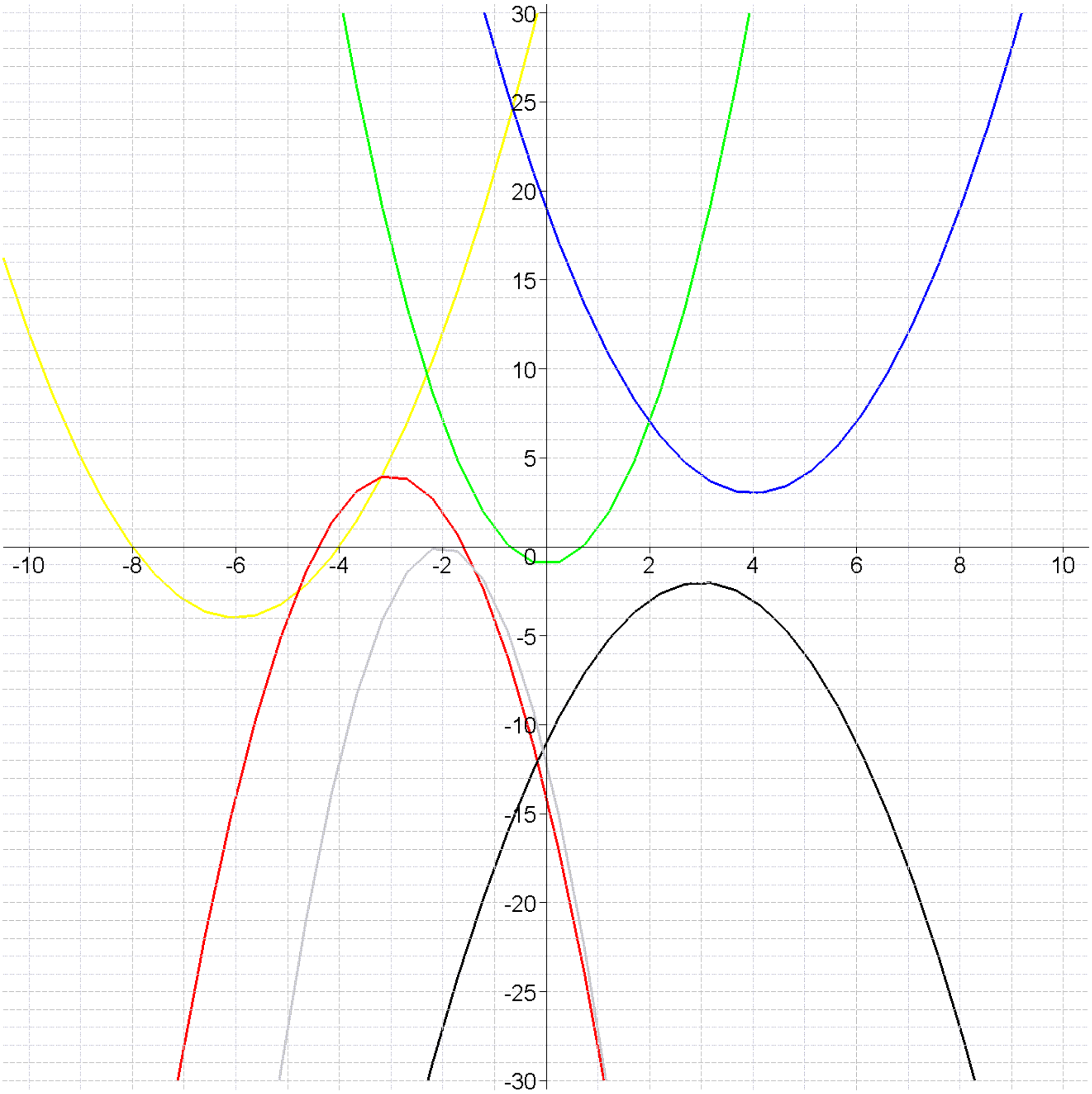
Function03 for No.645204

$$No1 = \begin{bmatrix} .1 = [y = -3\,(x+2)^2] & .3 = [y = -(x-3)^2 - 2] & .5 = [y = -2\,x^2 - 12\,x - 14] \\ .2 = [y = x^2 - 8\,x + 19] & .4 = [y = 2\,x^2 - 1] & .6 = [y = x^2 + 12\,x + 32] \end{bmatrix}$$



$$No2 = (\,f(x) = x^2 + 8\,x + 15\,), \quad , No3 = (\,f(x) = -x^2 + 6\,x\,)$$

$$No4 = (\,f(x) = x^2 - 12\,x + 36\,), \quad , No5 = (\,f(x) = -x^2 + 4\,x + 21\,)$$

$$No6 = (\,p = 400 - 0.4\,x\,)$$

```
   No7 : N  = 90     ,
       : P1 = 5000   , P2 = 5500   , P3 = 6000   ,
       : B  = 500    , M  = 858000
   No8 : P  = 3      , L  = 8      , A  = 144    , D  = 21
```

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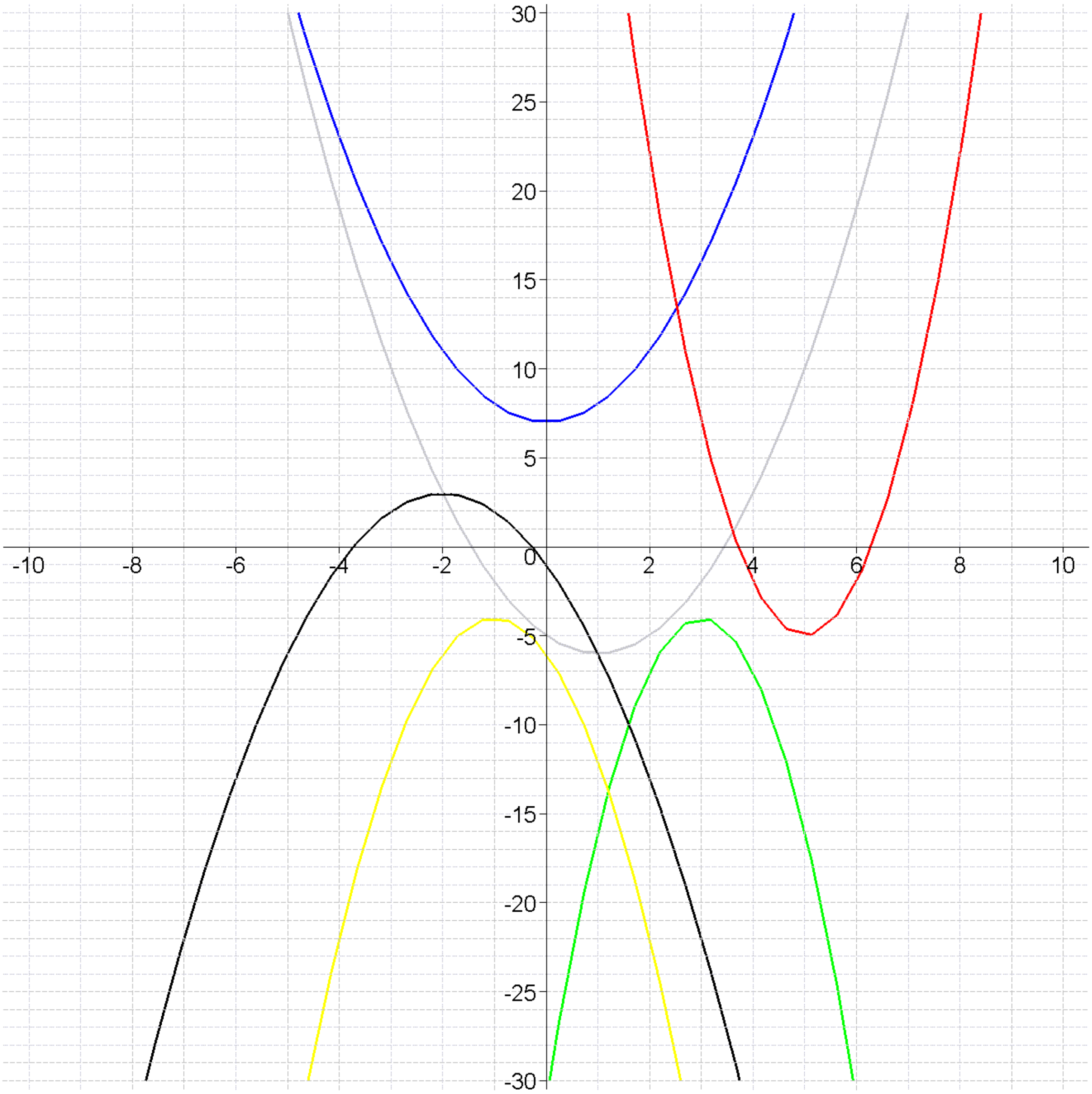
Function03 for No.645205

$$No1 = \begin{bmatrix} .1 = [y = 3x^2 - 30x + 70] & .3 = [y = (x-1)^2 - 6] & .5 = [y = -3x^2 + 18x - 31] \\ .2 = [y = -(x+2)^2 + 3] & .4 = [y = -2x^2 - 4x - 6] & .6 = [y = x^2 + 7] \end{bmatrix}$$



$$No2 = (f(x) = x^2 - 64), \quad , No3 = (f(x) = -x^2 + 9)$$

$$No4 = (f(x) = -x^2 - 14x - 49), \quad , No5 = (f(x) = -x^2 + 81)$$

$$No6 = (p = 400 - 0.2x)$$

```
No7 : N  = 100   ,
    : P1 = 3000  , P2 = 3300  , P3 = 3600  ,
    : B  = 300   , M  = 734700
No8 : P  = 9     , L  = 11    , A  = 169   , D  = 117
```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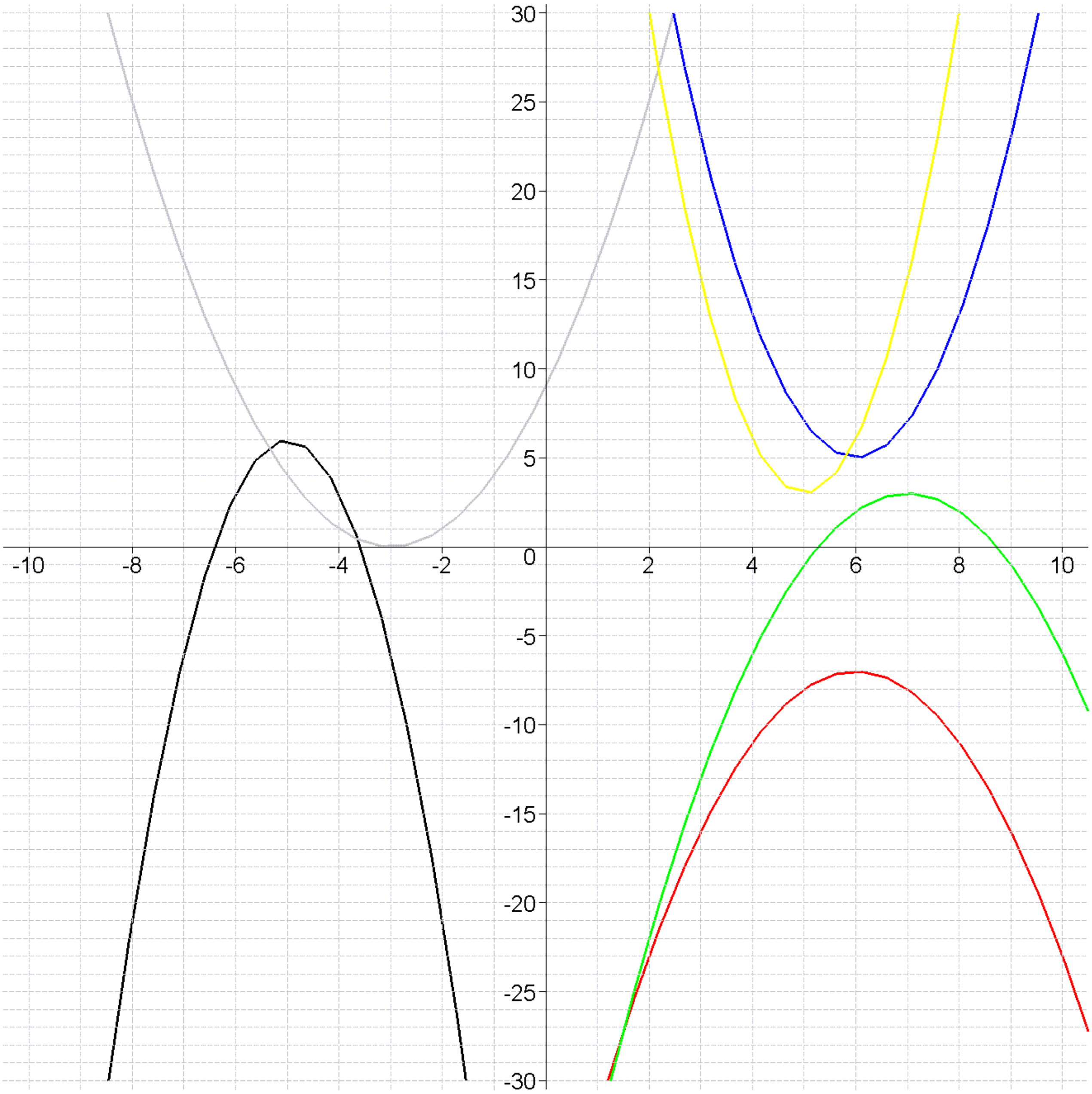
Function03 for No.645206

$$No1 = \begin{bmatrix} .1 = [y = 3x^2 - 30x + 78] & .3 = [y = (x+3)^2] & .5 = [y = -x^2 + 12x - 43] \\ .2 = [y = 2(x-6)^2 + 5] & .4 = [y = -(x-7)^2 + 3] & .6 = [y = -3x^2 - 30x - 69] \end{bmatrix}$$



$$No2 = (f(x) = x^2 + 2x - 3), \quad , No3 = (f(x) = x^2 - 4x - 21)$$

$$No4 = (f(x) = -x^2 - 2x + 15), \quad , No5 = (f(x) = x^2 - 12x + 36)$$

$$No6 = (p = 200 - 0.1x)$$

```
No7 : N  = 80    ,
    : P1 = 3000  , P2 = 3300  , P3 = 3600  ,
    : B  = 300   , M  = 499200
No8 : P  = 7     , L  = 9     , A  = 169   , D  = 28
```

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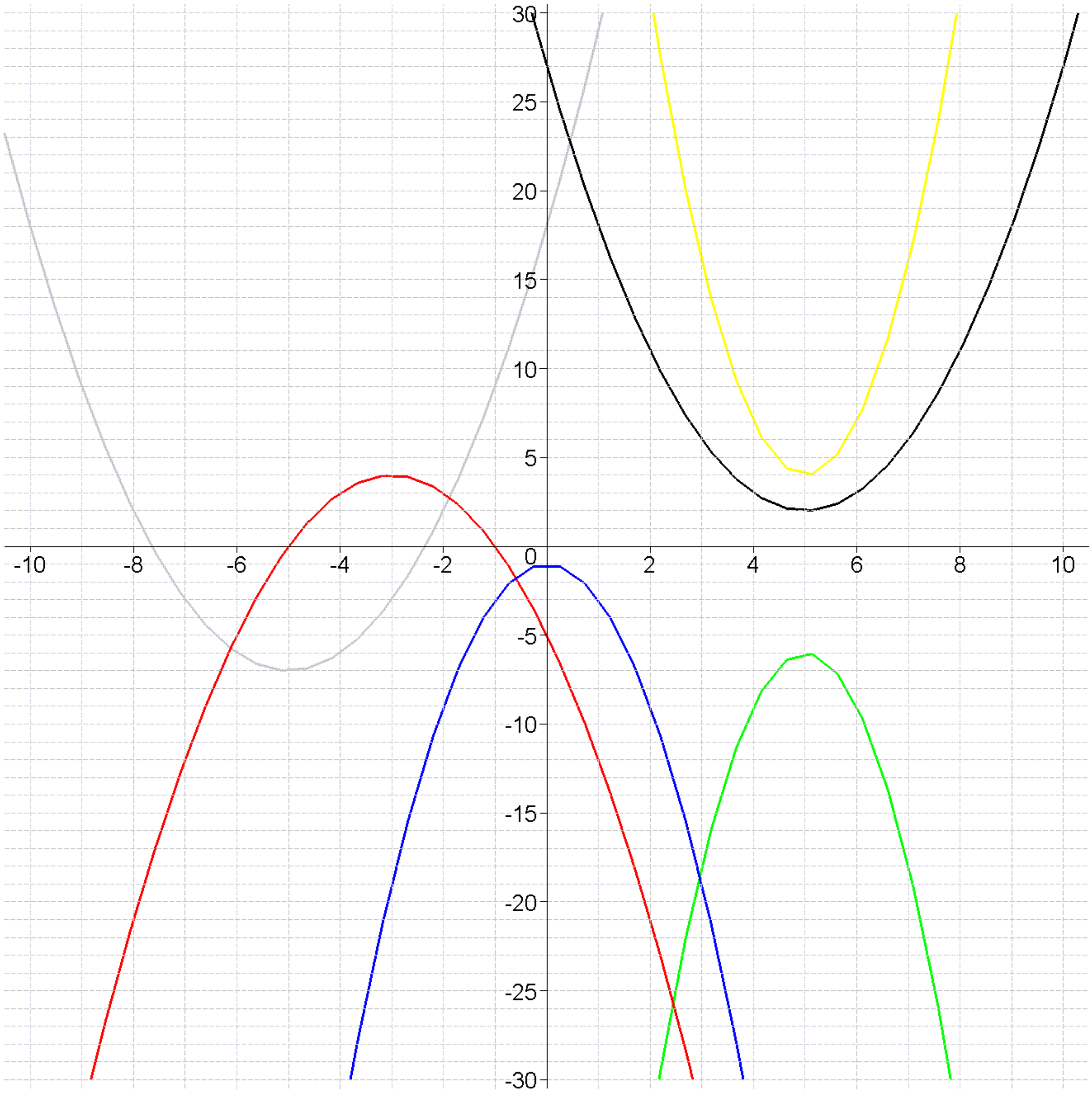
Function03 for No.645207

$$No1 = \begin{bmatrix} .1 = [y = x^2 - 10\,x + 27] & .3 = [y = -(x+3)^2 + 4] & .5 = [y = -3\,x^2 + 30\,x - 81] \\ .2 = [y = -2\,x^2 - 1] & .4 = [y = (x+5)^2 - 7] & .6 = [y = 3\,(x-5)^2 + 4] \end{bmatrix}$$



$$No2 = (\mathrm{f}(x) = x^2 - 6\,x + 9), \quad , No3 = (\mathrm{f}(x) = x^2 - 6\,x + 8)$$

$$No4 = (\mathrm{f}(x) = -x^2 + 6\,x + 27), \quad , No5 = (\mathrm{f}(x) = -x^2 + 6\,x - 5)$$

$$No6 = (p = 100 - 0.3\,x)$$

```
No7 : N  = 130   ,
    : P1 = 6000  , P2 = 6200  , P3 = 6400  ,
    : B  = 200   , M  = 1111800
No8 : P  = 11    , L  = 13    , A  = 169   , D  = 143
```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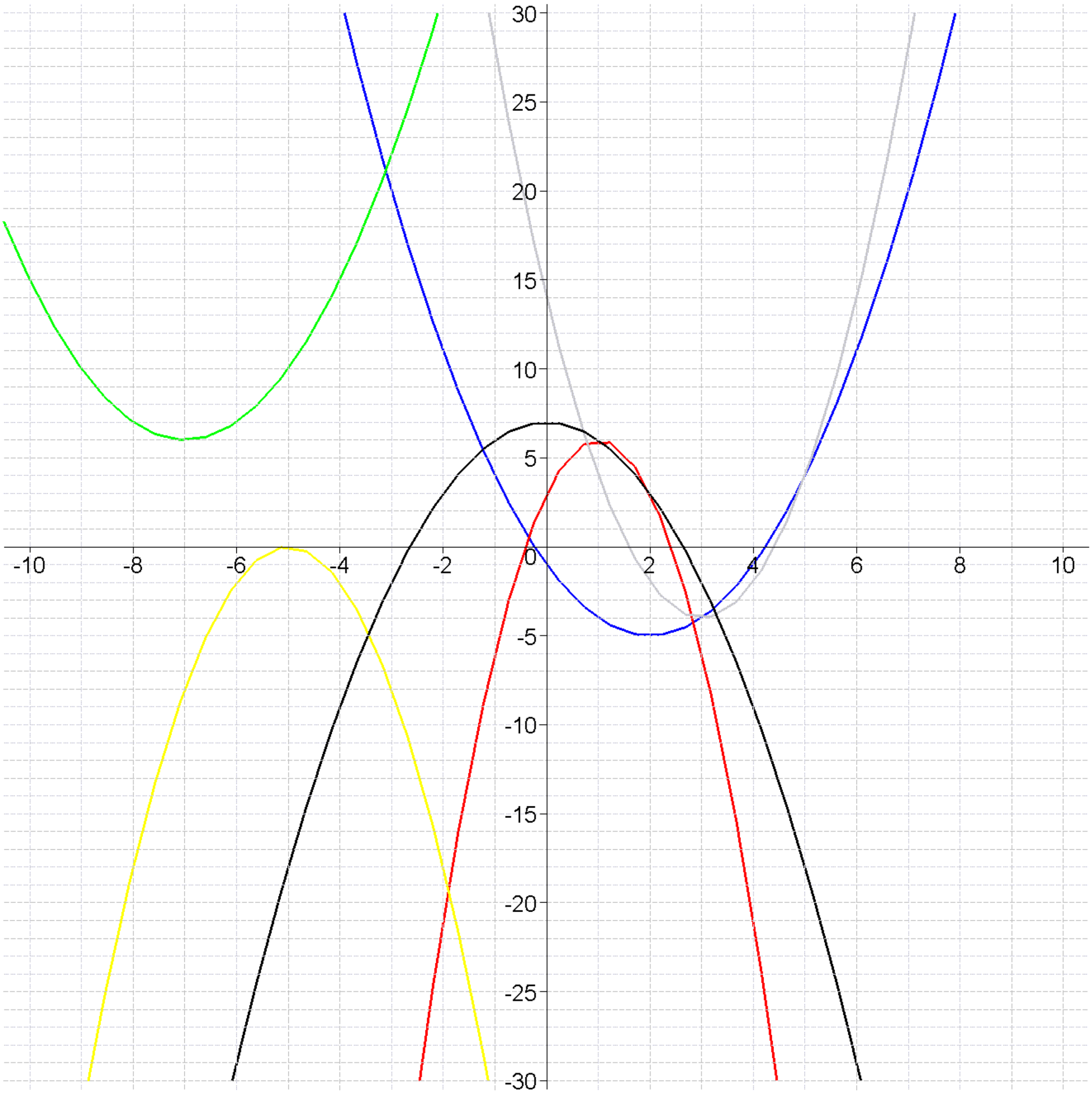
Function03 for No.645208

$$No1 = \begin{bmatrix} .1 = [y = -x^2 + 7] & .3 = [y = 2(x-3)^2 - 4] & .5 = [y = -3x^2 + 6x + 3] \\ .2 = [y = -2(x+5)^2] & .4 = [y = x^2 + 14x + 55] & .6 = [y = (x-2)^2 - 5] \end{bmatrix}$$



$$No2 = (f(x) = -x^2 - 8x - 16), \quad , No3 = (f(x) = -x^2 - 10x - 21)$$

$$No4 = (f(x) = x^2 - 2x - 24), \quad , No5 = (f(x) = -x^2 + 8x - 12)$$

$$No6 = (p = 400 - 0.2x)$$

```
No7 : N  = 90     ,
    : P1 = 5000   , P2 = 5500   , P3 = 6000   ,
    : B  = 500    , M  = 1029500
No8 : P  = 5      , L  = 15     , A  = 81     , D  = 60
```

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Function03 for No.645209

$$No1 = \begin{bmatrix} .1 = [y = -(x-3)^2 + 6] & .3 = [y = -x^2 + 14\,x - 52] & .5 = [y = (x+5)^2 - 1] \\ .2 = [y = -3\,x^2 + 30\,x - 77] & .4 = [y = -2\,(x-1)^2 + 5] & .6 = [y = 2\,x^2 + 6] \end{bmatrix}$$

$$No2 = (\,f(x) = -x^2 + 8\,x - 12\,), \quad , No3 = (\,f(x) = -x^2 - 16\,x - 64\,)$$

$$No4 = (\,f(x) = -x^2 - 14\,x - 45\,), \quad , No5 = (\,f(x) = x^2 - 16\,)$$

$$No6 = (p = 100 - 0.4\,x)$$

No7 : N = 100 ,
: P1 = 6000 , P2 = 6500 , P3 = 7000 ,
: B = 500 , M = 1280000
No8 : P = 9 , L = 20 , A = 121 , D = 45
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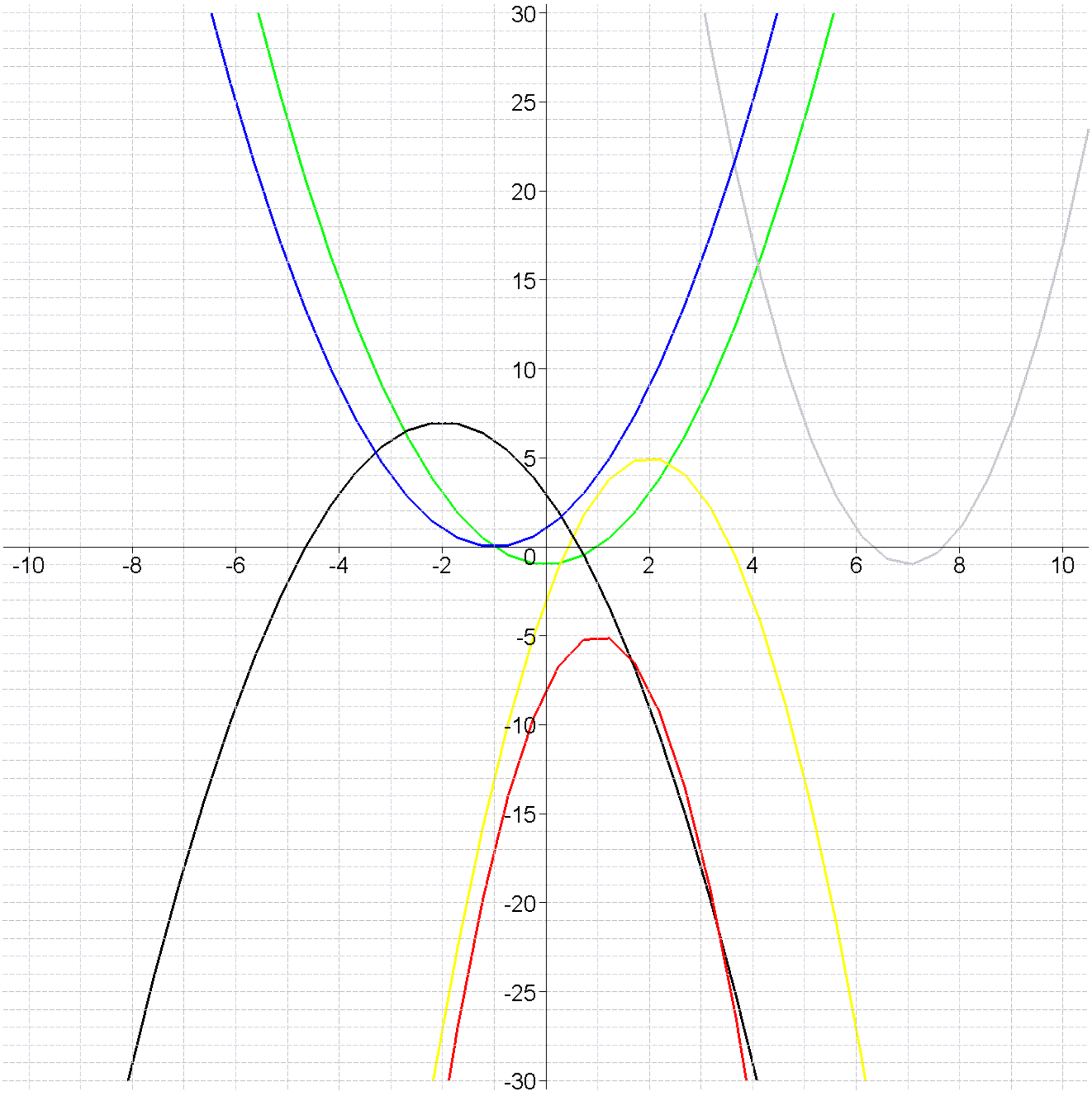
Function03 for No.645210

$$No1 = \begin{bmatrix} .1 = [y = x^2 + 2x + 1] & .3 = [y = -(x+2)^2 + 7] & .5 = [y = 2(x-7)^2 - 1] \\ .2 = [y = -3x^2 + 6x - 8] & .4 = [y = -2(x-2)^2 + 5] & .6 = [y = x^2 - 1] \end{bmatrix}$$



$$No2 = (f(x) = -x^2 + 4x + 32), \quad , No3 = (f(x) = -x^2 + 10x - 21)$$

$$No4 = (f(x) = x^2 - 10x + 16), \quad , No5 = (f(x) = -x^2 + 18x - 81)$$

$$No6 = (p = 300 - 0.4x)$$

No7 : N = 80 ,
: P1 = 3000 , P2 = 3300 , P3 = 3600 ,
: B = 300 , M = 434700
No8 : P = 2 , L = 4 , A = 121 , D = 8
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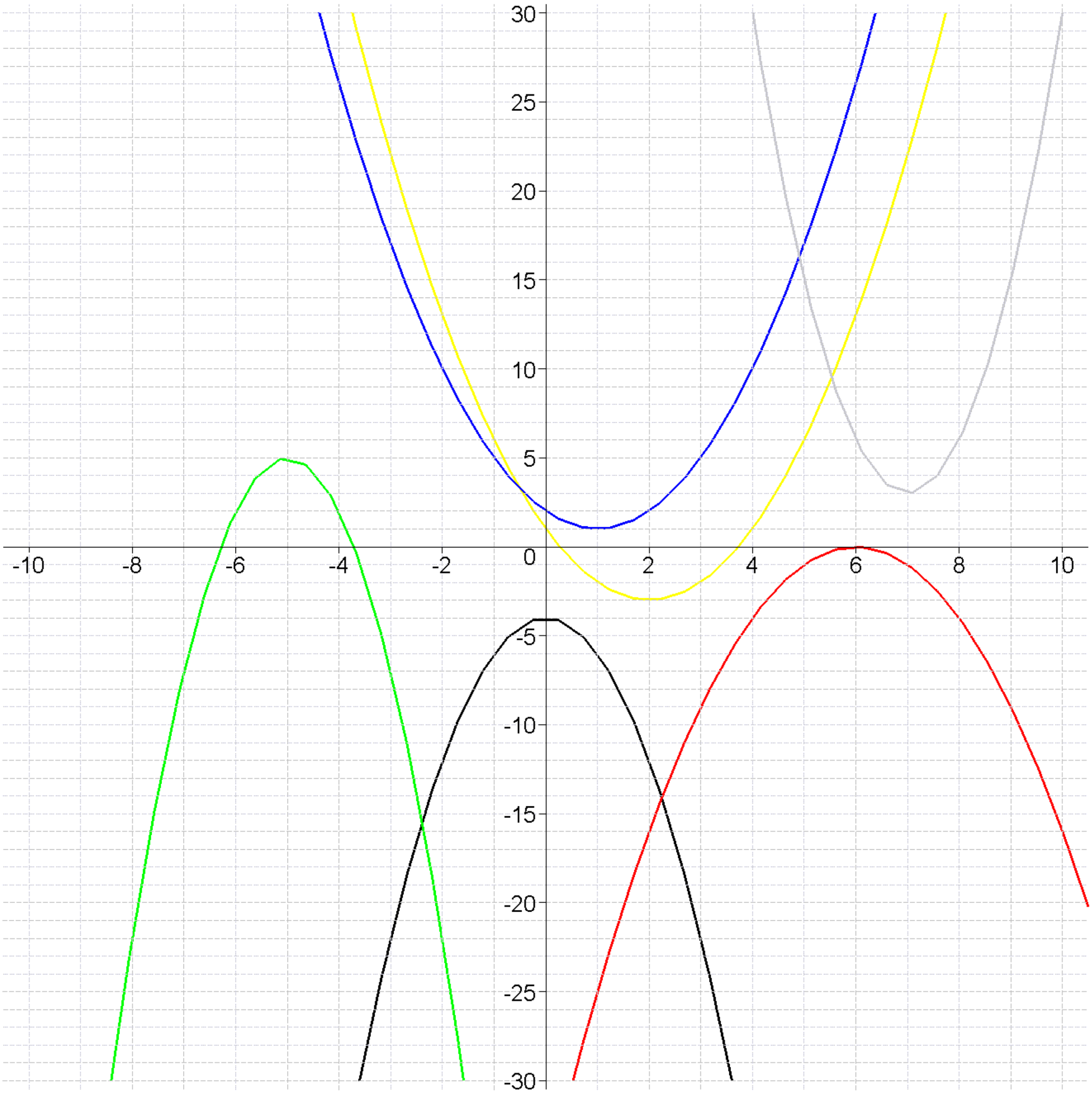
Function03 for No.645211

$$No1 = \begin{bmatrix} .1 = [y = 3\,(x-7)^2 + 3] & .3 = [y = -(x-6)^2] & .5 = [y = -2\,x^2 - 4] \\ .2 = [y = -3\,x^2 - 30\,x - 70] & .4 = [y = x^2 - 2\,x + 2] & .6 = [y = x^2 - 4\,x + 1] \end{bmatrix}$$



$$No2 = (\,f(x) = x^2 - 2\,x - 35\,), \quad , No3 = (\,f(x) = -x^2 - 10\,x - 24\,)$$

$$No4 = (\,f(x) = -x^2 - 10\,x - 16\,), \quad , No5 = (\,f(x) = -x^2 + 14\,x - 49\,)$$

$$No6 = (p = 400 - 0.3\,x)$$

```
No7 : N  = 120    ,
    : P1 = 3000   , P2 = 3500   , P3 = 4000   ,
    : B  = 500    , M  = 1372000
No8 : P  = 7      , L  = 15     , A  = 81     , D  = 42
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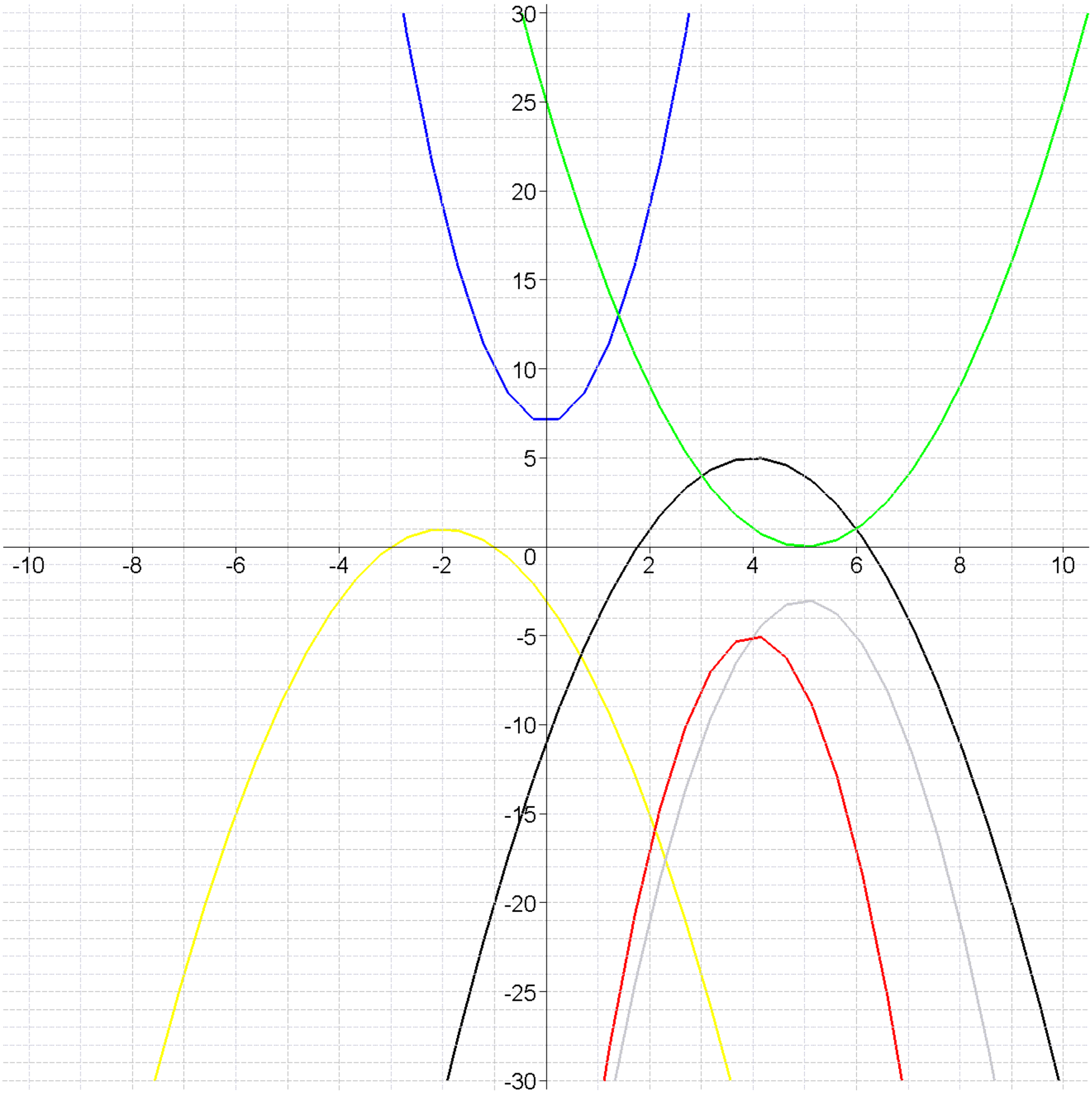
Function03 for No.645212

$$No1 = \begin{bmatrix} .1 = [y = -3x^2 + 24x - 53] & .3 = [y = -x^2 + 8x - 11] & .5 = [y = -(x+2)^2 + 1] \\ .2 = [y = (x-5)^2] & .4 = [y = -2(x-5)^2 - 3] & .6 = [y = 3x^2 + 7] \end{bmatrix}$$



$$No2 = (f(x) = -x^2 - 14x - 49), \quad , No3 = (f(x) = x^2 + 6x - 16)$$

$$No4 = (f(x) = -x^2 + 6x - 8), \quad , No5 = (f(x) = -x^2 - 6x + 7)$$

$$No6 = (p = 700 - 0.2x)$$

```
No7 : N  = 100   ,
    : P1 = 4000  , P2 = 4200  , P3 = 4400  ,
    : B  = 200   , M  = 655200
No8 : P  = 10    , L  = 18    , A  = 144   , D  = 110
```

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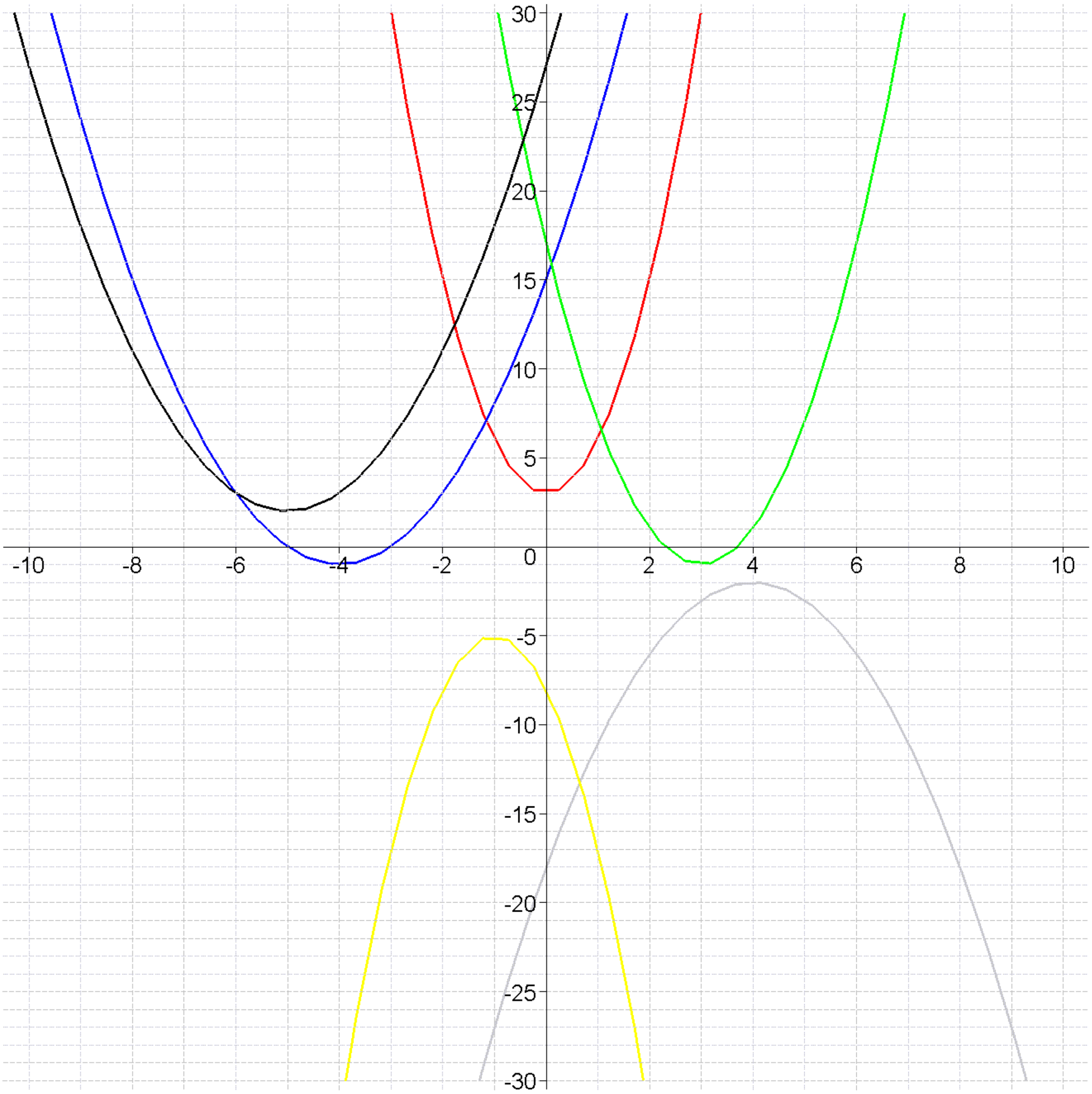
Function03 for No.645213

$$No1 = \begin{bmatrix} .1 = [y = (x+5)^2 + 2] & .3 = [y = (x+4)^2 - 1] & .5 = [y = 3x^2 + 3] \\ .2 = [y = 2x^2 - 12x + 17] & .4 = [y = -3(x+1)^2 - 5] & .6 = [y = -x^2 + 8x - 18] \end{bmatrix}$$



$$No2 = (f(x) = x^2 - 4x + 4), \quad , No3 = (f(x) = x^2 + 4x - 32)$$

$$No4 = (f(x) = -x^2 + 4x + 32), \quad , No5 = (f(x) = x^2 - 2x - 15)$$

$$No6 = (p = 500 - 0.4x)$$

```
No7 : N  = 90     ,
    : P1 = 5000   , P2 = 5500   , P3 = 6000   ,
    : B  = 500    , M  = 858000
No8 : P  = 7      , L  = 14     , A  = 81     , D  = 84
```

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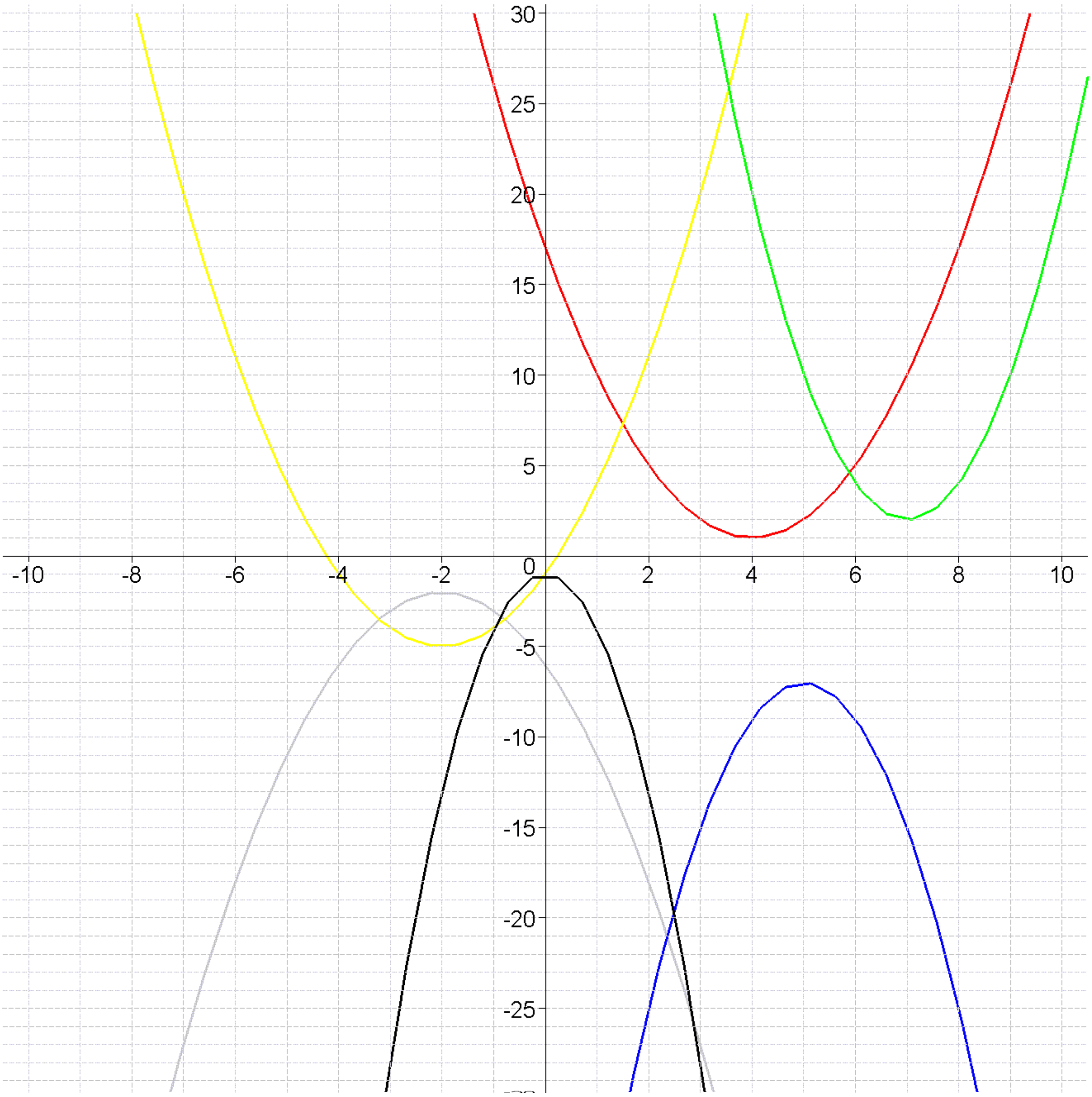
Function03 for No.645214

$$No1 = \begin{bmatrix} .1 = [y = -3\,x^2 - 1] & .3 = [y = (x+2)^2 - 5] & .5 = [y = x^2 - 8\,x + 17] \\ .2 = [y = 2\,(x-7)^2 + 2] & .4 = [y = -2\,x^2 + 20\,x - 57] & .6 = [y = -(x+2)^2 - 2] \end{bmatrix}$$



$$No2 = (\,\mathrm{f}(x) = x^2 + 8\,x + 7\,), \quad , No3 = (\,\mathrm{f}(x) = -x^2 - 4\,x + 12\,)$$

$$No4 = (\,\mathrm{f}(x) = -x^2 + 12\,x - 36\,), \quad , No5 = (\,\mathrm{f}(x) = x^2 - 8\,x + 15\,)$$

$$No6 = (p = 100 - 0.2\,x)$$

```
No7 : N  = 120   ,
    : P1 = 6000  , P2 = 6500  , P3 = 7000  ,
    : B  = 500   , M  = 1337500
No8 : P  = 2     , L  = 9     , A  = 9     , D  = 20
```

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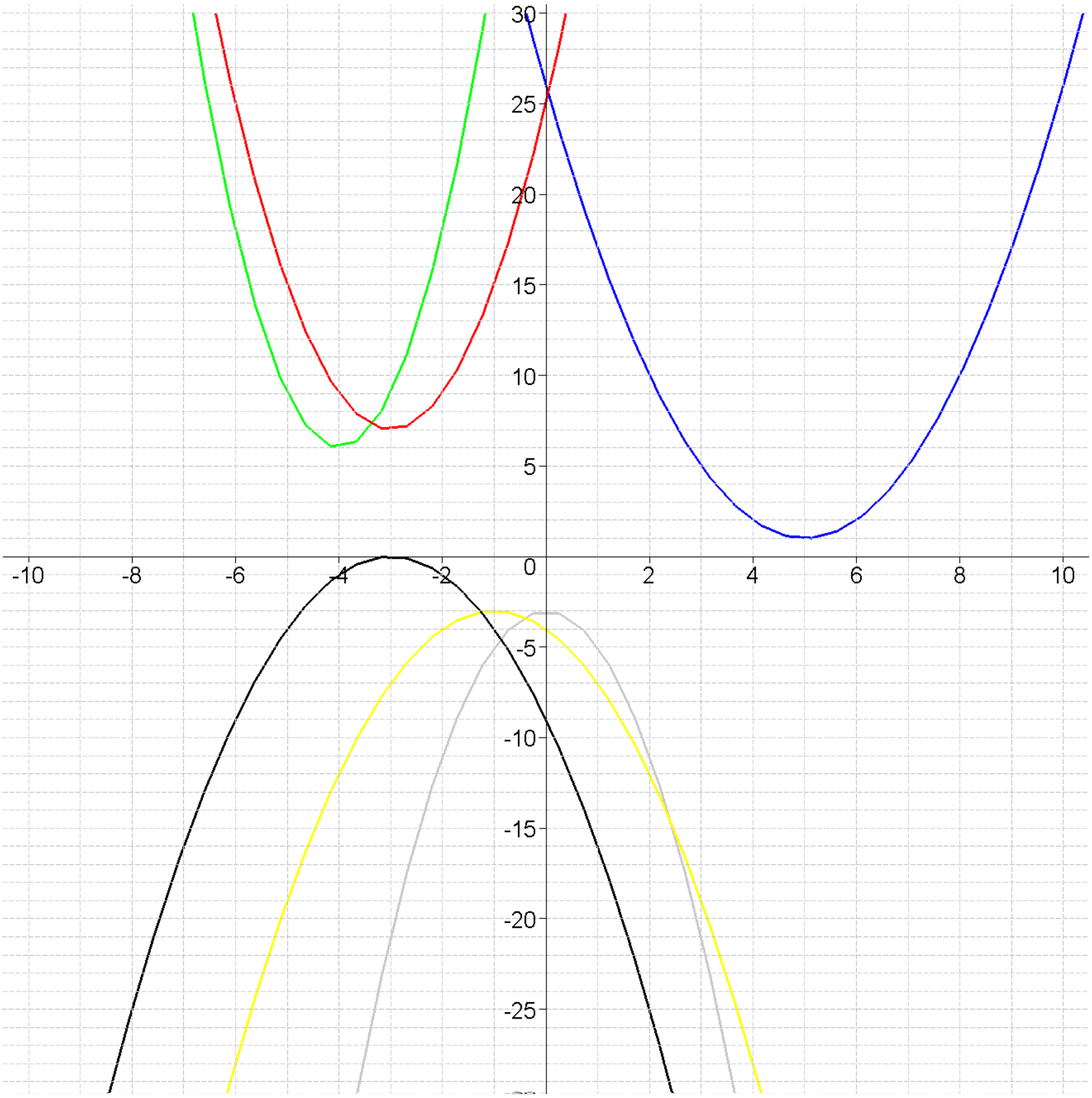
Function03 for No.645215

$$No1 = \begin{bmatrix} .1 = [y = 2(x+3)^2 + 7] & .3 = [y = x^2 - 10x + 26] & .5 = [y = -(x+1)^2 - 3] \\ .2 = [y = -x^2 - 6x - 9] & .4 = [y = 3(x+4)^2 + 6] & .6 = [y = -2x^2 - 3] \end{bmatrix}$$



$$No2 = (f(x) = x^2 + 2x - 24), \quad , No3 = (f(x) = x^2 - 8x + 15)$$

$$No4 = (f(x) = x^2 - 4x + 4), \quad , No5 = (f(x) = -x^2 - 6x + 7)$$

$$No6 = (p = 700 - 0.4x)$$

```
No7 : N  = 70     ,
    : P1 = 4000   , P2 = 4200   , P3 = 4400   ,
    : B  = 200    , M  = 365800
No8 : P  = 6      , L  = 15     , A  = 64     , D  = 72
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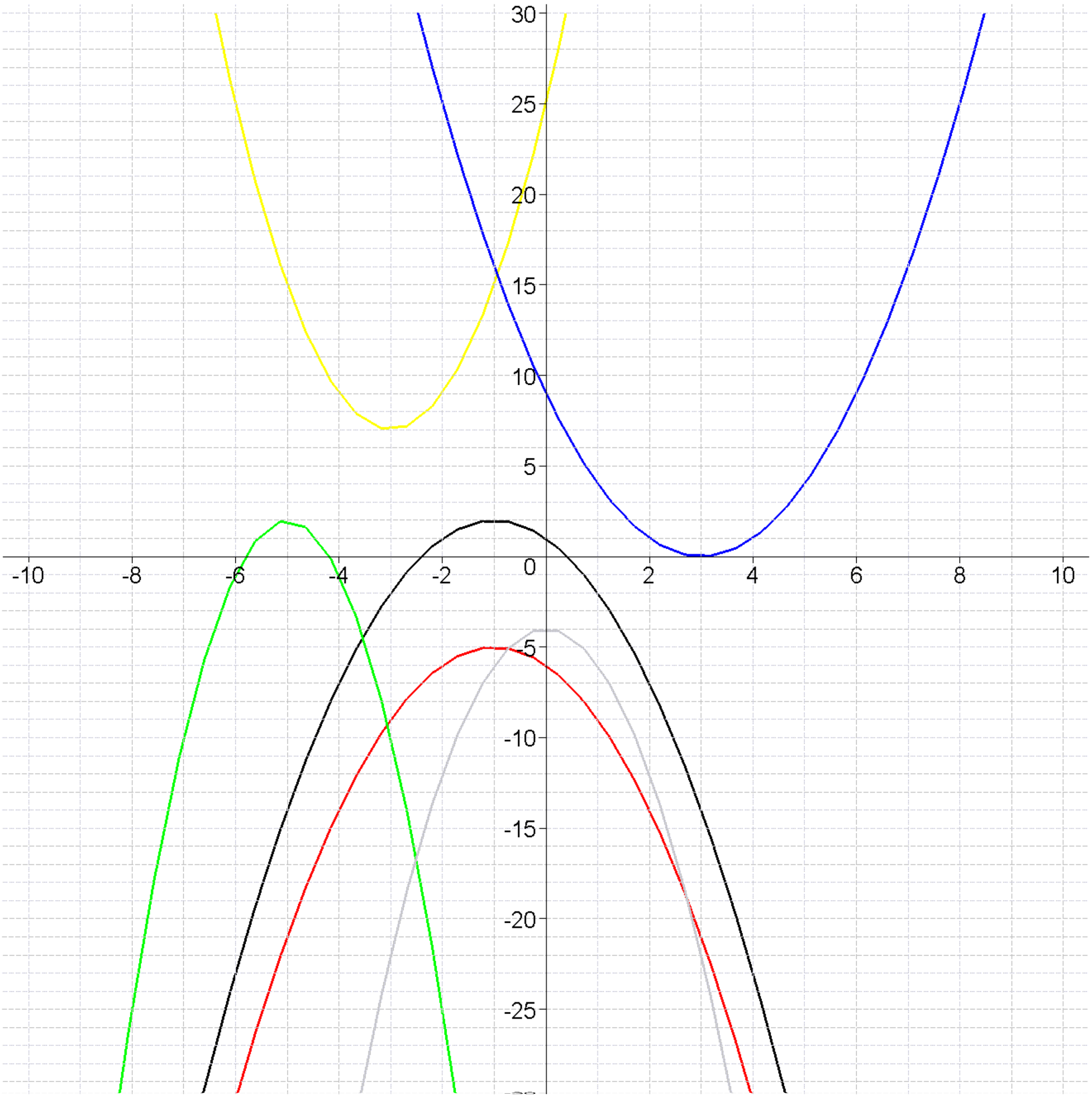
Function03 for No.645216

$$No1 = \begin{bmatrix} .1 = [y = -2\,x^2 - 4] & .3 = [y = x^2 - 6\,x + 9] & .5 = [y = -(x+1)^2 + 2] \\ .2 = [y = -3\,(x+5)^2 + 2] & .4 = [y = 2\,x^2 + 12\,x + 25] & .6 = [y = -(x+1)^2 - 5] \end{bmatrix}$$



$$No2 = (\,\mathrm{f}(x) = x^2 - 16\,), \quad , No3 = (\,\mathrm{f}(x) = -x^2 - 2\,x + 35\,)$$

$$No4 = (\,\mathrm{f}(x) = x^2 + 8\,x + 15\,), \quad , No5 = (\,\mathrm{f}(x) = -x^2 - 2\,x - 1\,)$$

$$No6 = (p = 600 - 0.6\,x)$$

```
   No7 : N  = 120   ,
       : P1 = 6000  , P2 = 6500  , P3 = 7000  ,
       : B  = 500   , M  = 1253500
   No8 : P  = 3     , L  = 5     , A  = 9     , D  = 30
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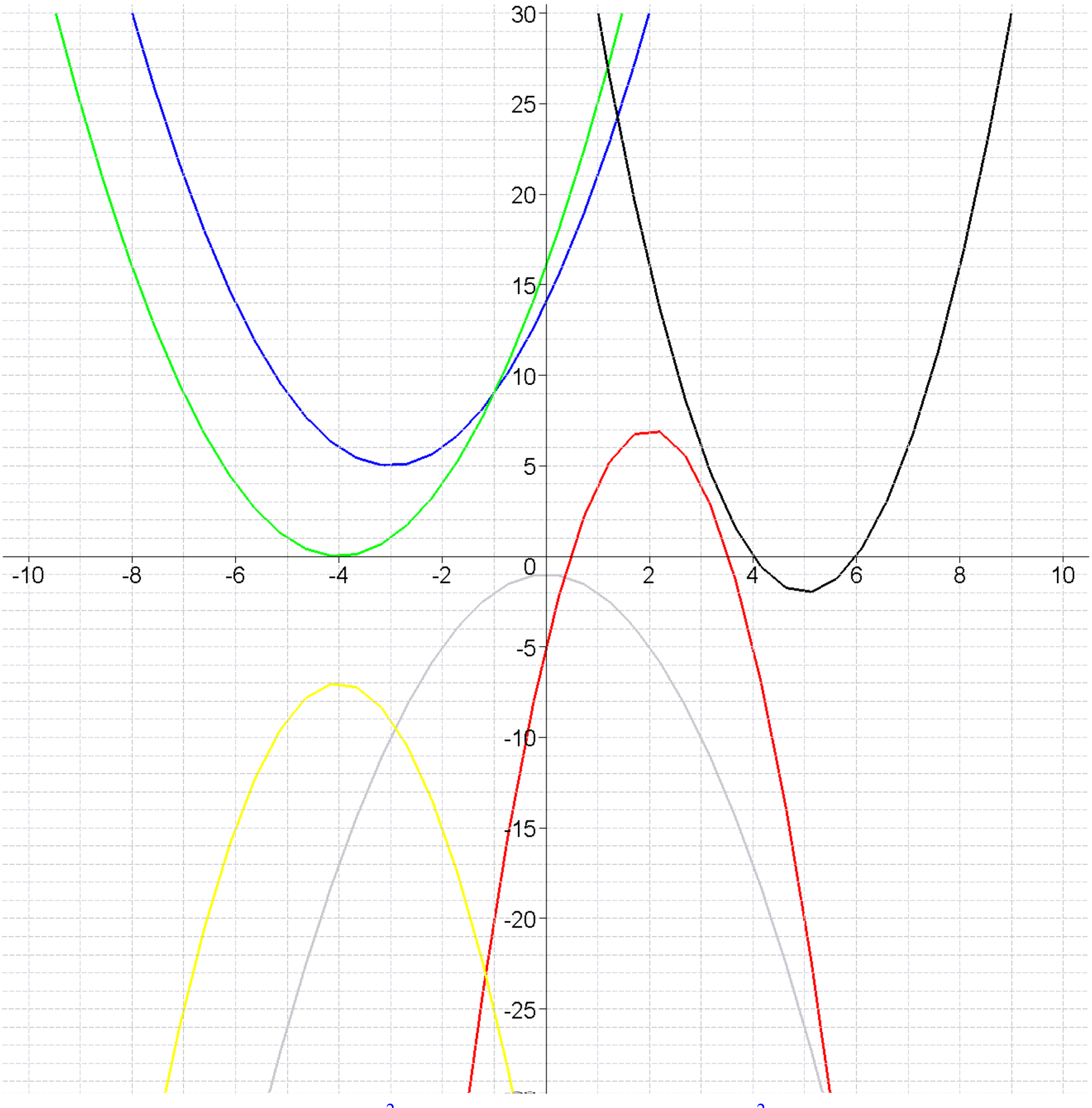
Function03 for No.645217

$$No1 = \begin{bmatrix} .1 = [y = -2x^2 - 16x - 39] & .3 = [y = -3x^2 + 12x - 5] & .5 = [y = -x^2 - 1] \\ .2 = [y = 2(x-5)^2 - 2] & .4 = [y = x^2 + 8x + 16] & .6 = [y = (x+3)^2 + 5] \end{bmatrix}$$



$$No2 = (f(x) = -x^2 - 4x + 32), \quad , No3 = (f(x) = x^2 - 4x - 32)$$

$$No4 = (f(x) = -x^2 + 18x - 81), \quad , No5 = (f(x) = -x^2 - 6x - 8)$$

$$No6 = (p = 200 - 0.3x)$$

```
No7 : N  = 100   ,
    : P1 = 5000  , P2 = 5500  , P3 = 6000  ,
    : B  = 500   , M  = 968000
No8 : P  = 11    , L  = 17    , A  = 36    , D  = 132
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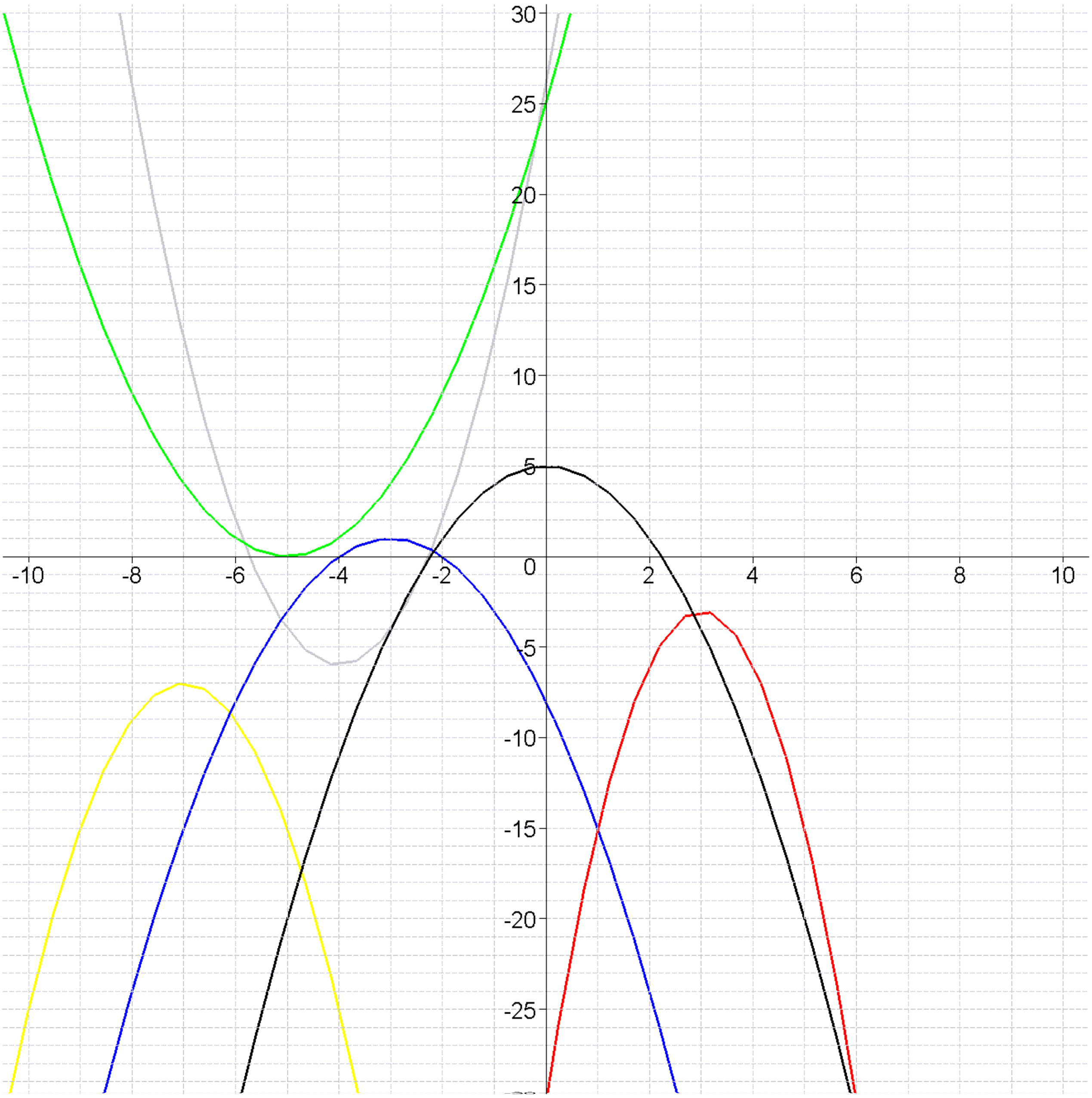
Function03 for No.645218

$$No1 = \begin{bmatrix} .1 = [y = -x^2 + 5] & .3 = [y = x^2 + 10\,x + 25] & .5 = [y = 2\,(x+4)^2 - 6] \\ .2 = [y = -3\,x^2 + 18\,x - 30] & .4 = [y = -x^2 - 6\,x - 8] & .6 = [y = -2\,(x+7)^2 - 7] \end{bmatrix}$$



$$No2 = (\mathrm{f}(x) = x^2 + 4\,x - 21), \quad , No3 = (\mathrm{f}(x) = x^2 - 2\,x - 3)$$

$$No4 = (\mathrm{f}(x) = x^2 - 2\,x + 1), \quad , No5 = (\mathrm{f}(x) = -x^2 + 2\,x + 15)$$

$$No6 = (p = 600 - 0.4\,x)$$

No7 : N = 130 ,
: P1 = 3000 , P2 = 3500 , P3 = 4000 ,
: B = 500 , M = 1207500
No8 : P = 7 , L = 11 , A = 121 , D = 70
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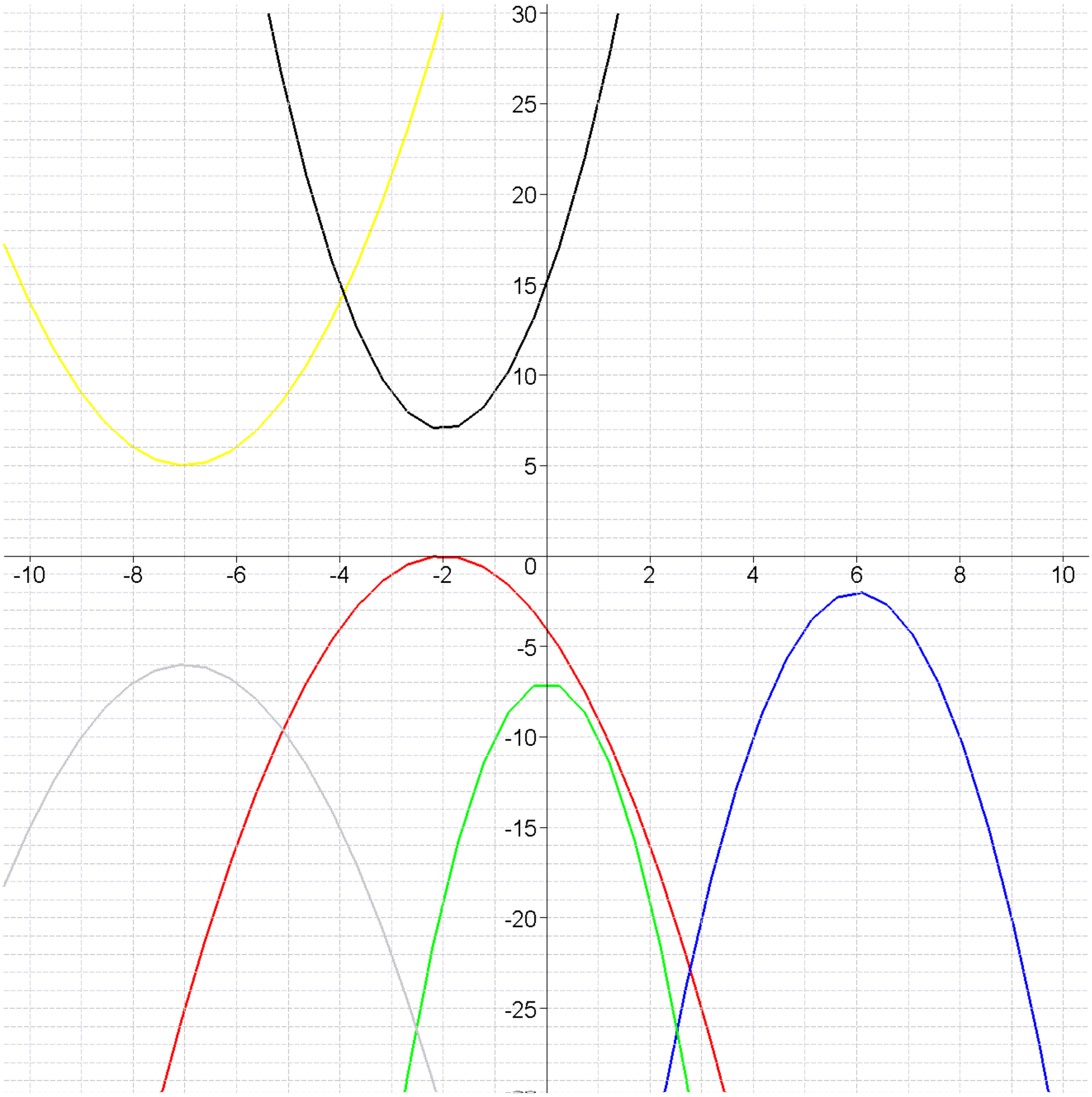
Function03 for No.645219

$$No1 = \begin{bmatrix} .1 = [y = -(x+7)^2 - 6] & .3 = [y = 2x^2 + 8x + 15] & .5 = [y = -(x+2)^2] \\ .2 = [y = -3x^2 - 7] & .4 = [y = -2x^2 + 24x - 74] & .6 = [y = (x+7)^2 + 5] \end{bmatrix}$$



$$No2 = (\mathrm{f}(x) = x^2 - 6x + 5), \quad , No3 = (\mathrm{f}(x) = -x^2 + 4x + 32)$$

$$No4 = (\mathrm{f}(x) = x^2 - 2x - 3), \quad , No5 = (\mathrm{f}(x) = -x^2 + 2x - 1)$$

$$No6 = (p = 100 - 0.5x)$$

```
No7 : N  = 110   ,
    : P1 = 4000  , P2 = 4200  , P3 = 4400  ,
    : B  = 200   , M  = 720000
No8 : P  = 9     , L  = 12    , A  = 49    , D  = 27
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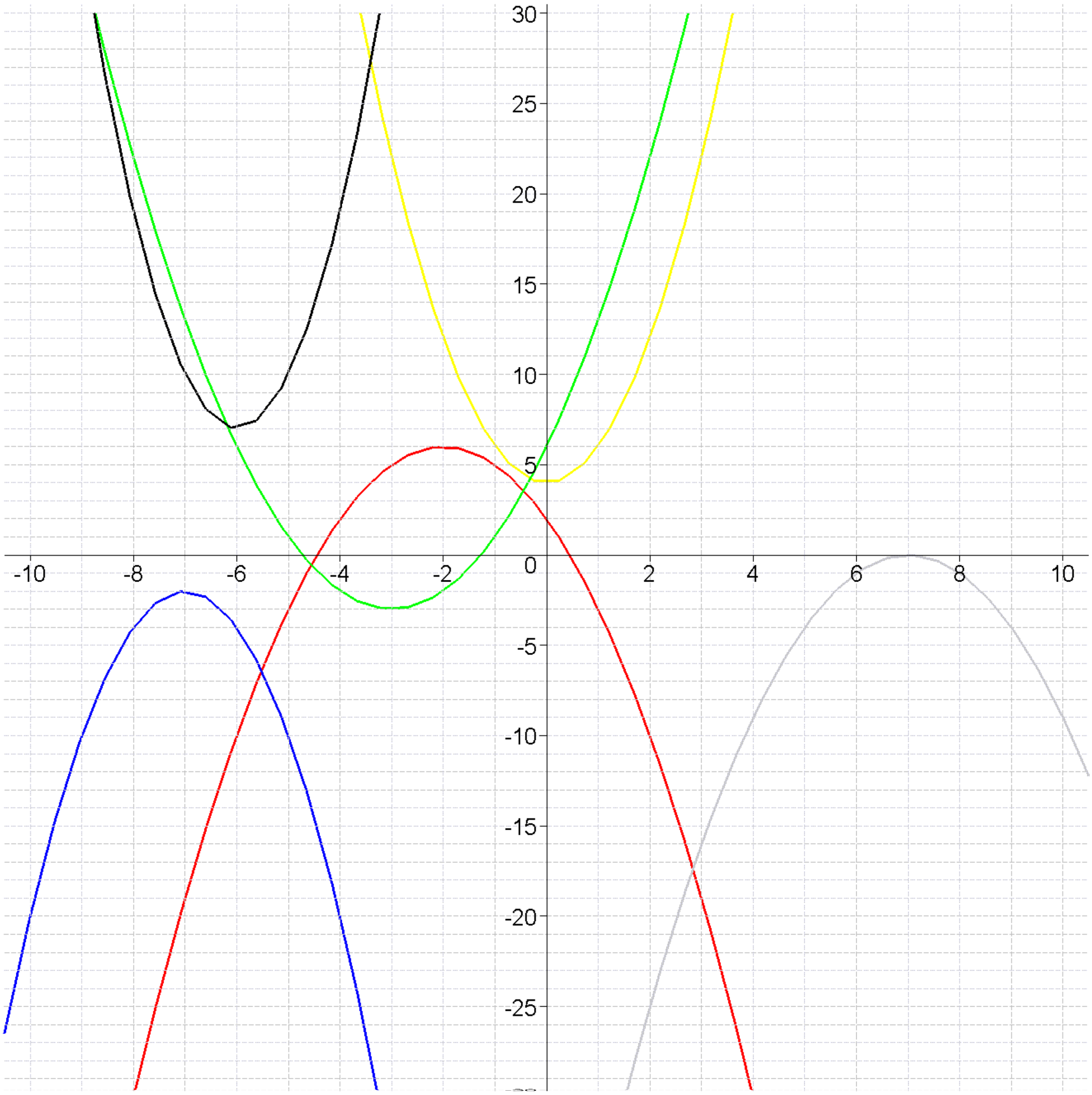
Function03 for No.645220

$$No1 = \begin{bmatrix} .1 = [y = 3x^2 + 36x + 115] & .3 = [y = -2(x+7)^2 - 2] & .5 = [y = -(x-7)^2] \\ .2 = [y = x^2 + 6x + 6] & .4 = [y = 2x^2 + 4] & .6 = [y = -x^2 - 4x + 2] \end{bmatrix}$$



$$No2 = (f(x) = x^2 - 8x + 7), \quad , No3 = (f(x) = x^2 - 12x + 35)$$

$$No4 = (f(x) = -x^2 - 14x - 49), \quad , No5 = (f(x) = -x^2 + 4x)$$

$$No6 = (p = 200 - 0.7x)$$

```
No7 : N  = 90    ,
    : P1 = 6000  , P2 = 6200  , P3 = 6400  ,
    : B  = 200   , M  = 662200
No8 : P  = 11    , L  = 12    , A  = 64    , D  = 33
```

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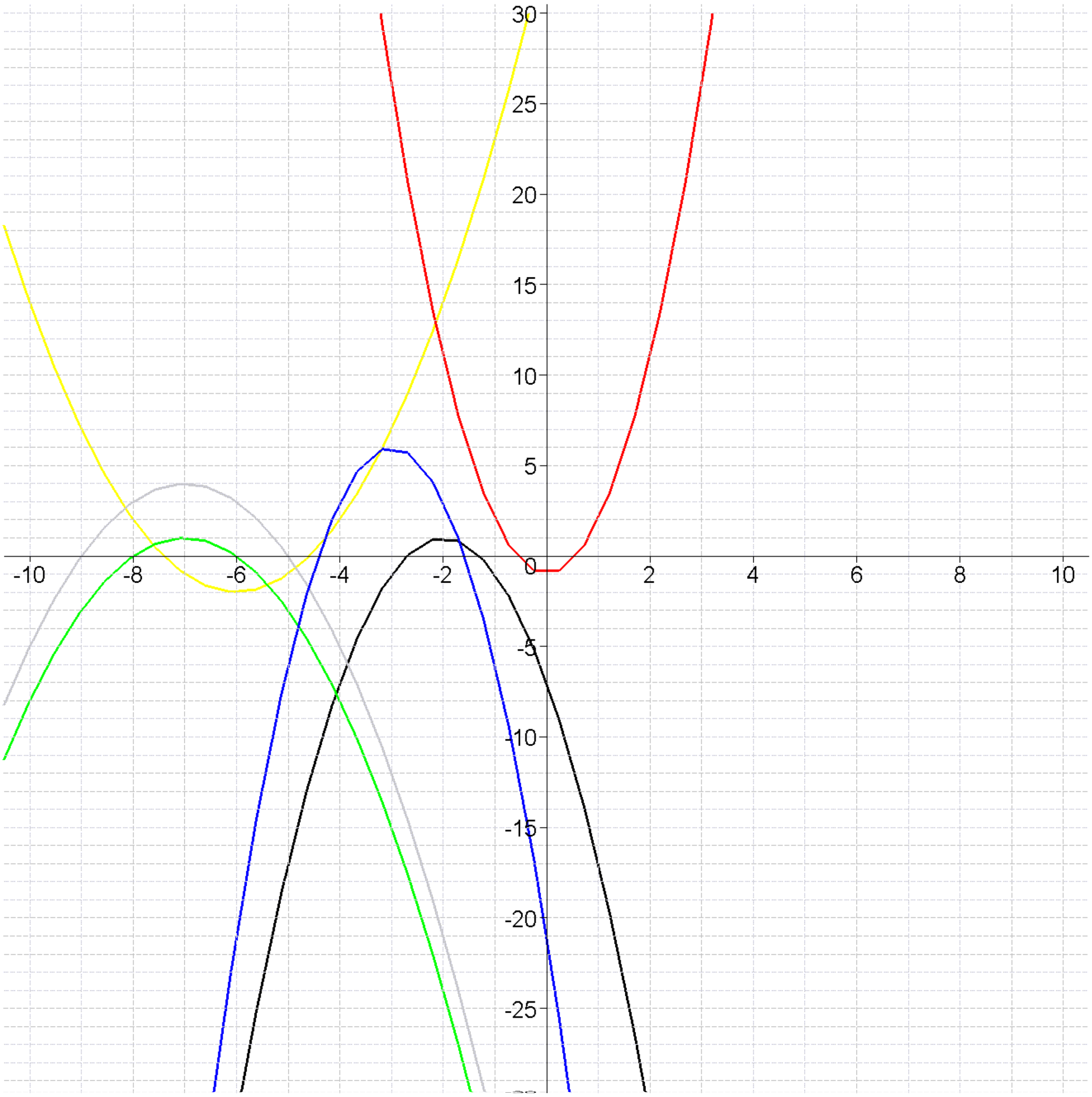
Function03 for No.645221

$$No1 = \begin{bmatrix} .1 = [y = -3x^2 - 18x - 21] & .3 = [y = 3x^2 - 1] & .5 = [y = (x+6)^2 - 2] \\ .2 = [y = -x^2 - 14x - 45] & .4 = [y = -(x+7)^2 + 1] & .6 = [y = -2(x+2)^2 + 1] \end{bmatrix}$$



$$No2 = (f(x) = x^2 - 6x + 8), \quad , No3 = (f(x) = x^2 + 4x - 5)$$

$$No4 = (f(x) = x^2 + 8x + 16), \quad , No5 = (f(x) = -x^2 + 36)$$

$$No6 = (p = 400 - 0.1x)$$

```
No7 : N  = 100   ,
    : P1 = 4000  , P2 = 4200  , P3 = 4400  ,
    : B  = 200   , M  = 574200
No8 : P  = 7     , L  = 12    , A  = 81    , D  = 70
```

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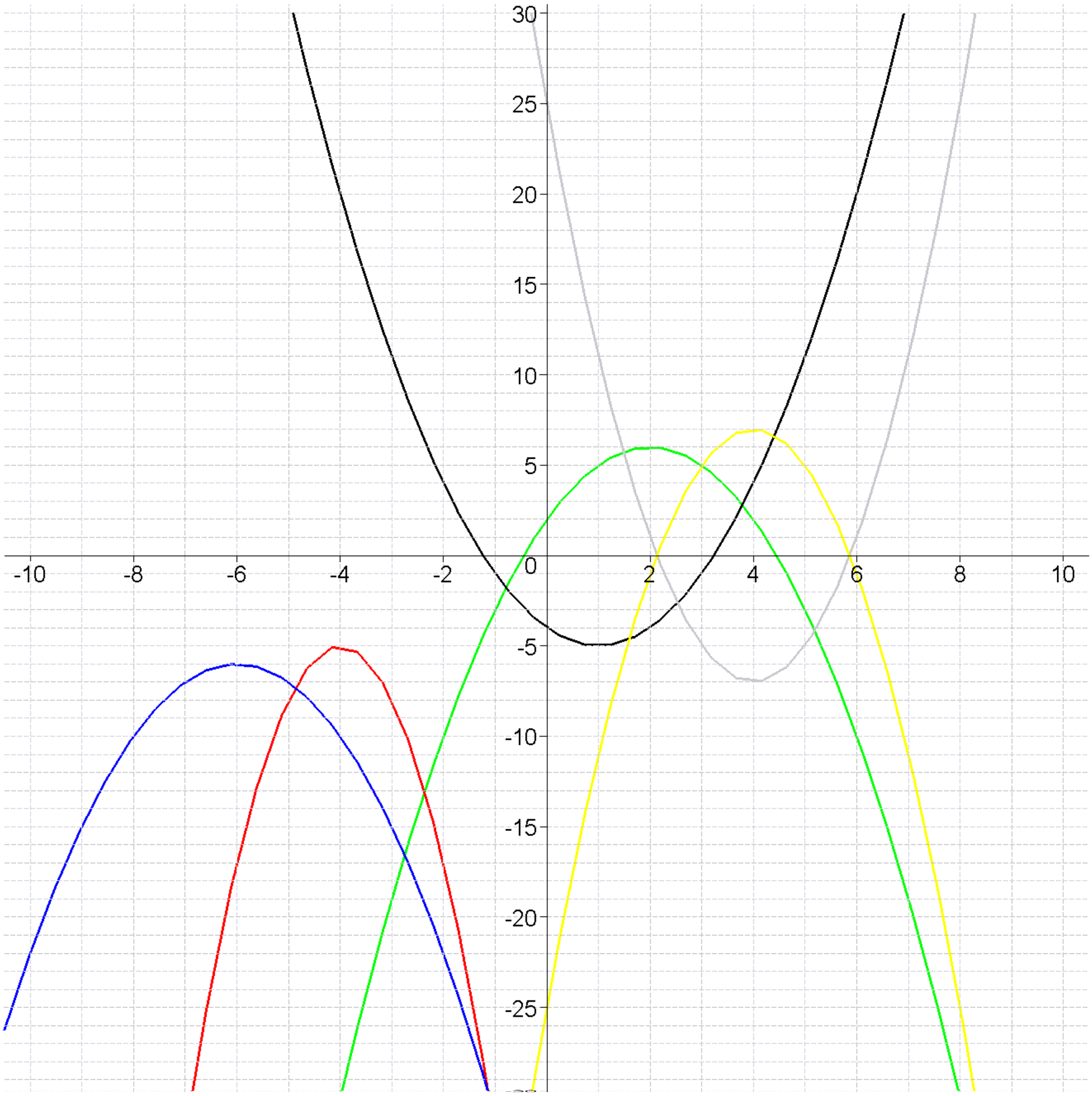
Function03 for No.645222

$$No1 = \begin{bmatrix} .1 = [y = -x^2 - 12x - 42] & .3 = [y = -3(x+4)^2 - 5] & .5 = [y = (x-1)^2 - 5] \\ .2 = [y = -2x^2 + 16x - 25] & .4 = [y = 2x^2 - 16x + 25] & .6 = [y = -(x-2)^2 + 6] \end{bmatrix}$$



$$No2 = (f(x) = x^2 - 4x - 21), \quad , No3 = (f(x) = x^2 + 8x + 12)$$

$$No4 = (f(x) = x^2 - 14x + 49), \quad , No5 = (f(x) = -x^2 - 8x)$$

$$No6 = (p = 100 - 0.3x)$$

No7 : N = 100 ,
: P1 = 6000 , P2 = 6600 , P3 = 7200 ,
: B = 600 , M = 1121400
No8 : P = 7 , L = 10 , A = 121 , D = 49

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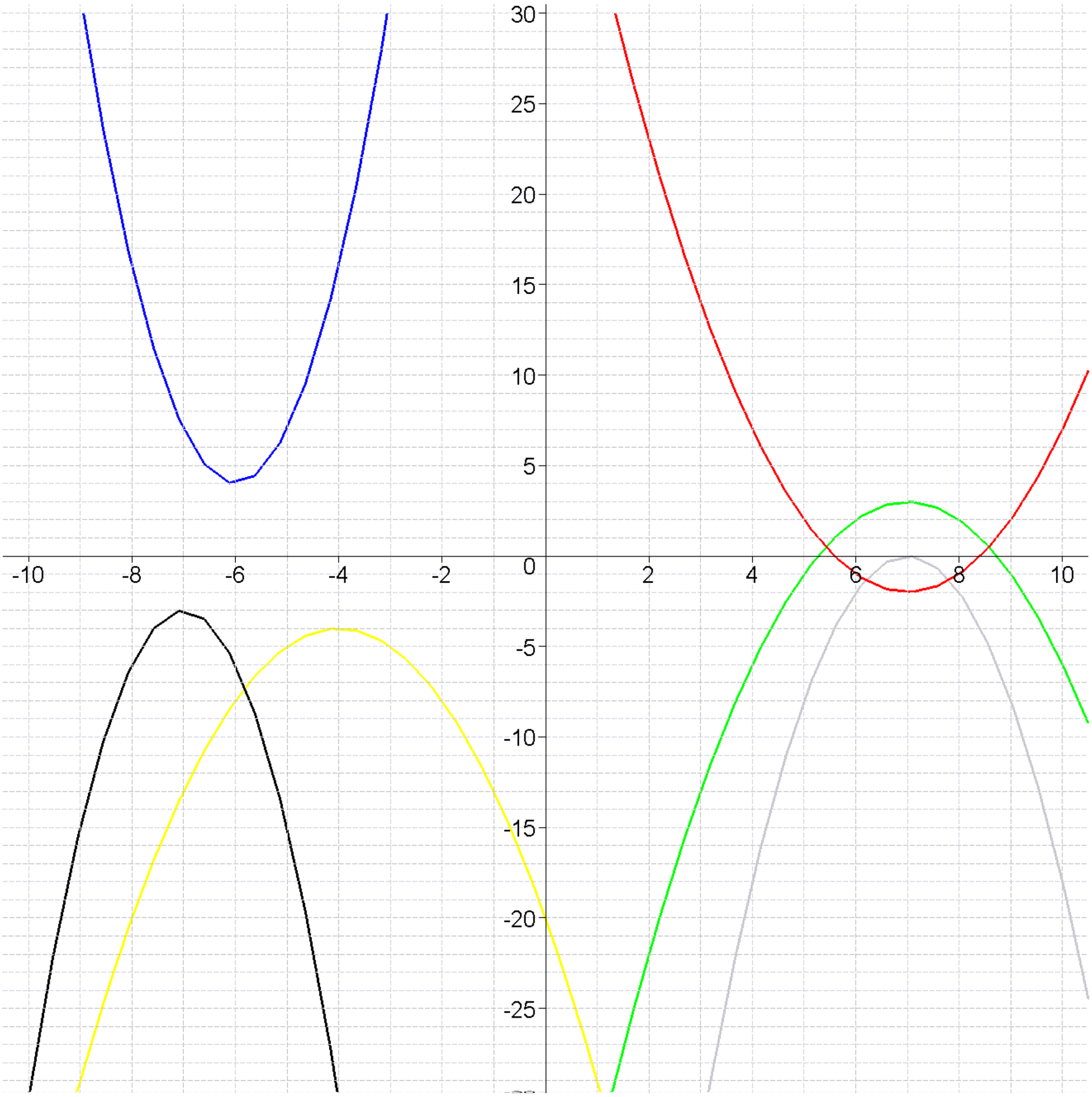
Function03 for No.645223

$$No1 = \begin{bmatrix} .1 = [y = (x-7)^2 - 2] & .3 = [y = 3x^2 + 36x + 112] & .5 = [y = -(x-7)^2 + 3] \\ .2 = [y = -2x^2 + 28x - 98] & .4 = [y = -3(x+7)^2 - 3] & .6 = [y = -x^2 - 8x - 20] \end{bmatrix}$$



$$No2 = (f(x) = -x^2 + 4x), \quad , No3 = (f(x) = x^2 - 18x + 81)$$

$$No4 = (f(x) = x^2 + 6x - 16), \quad , No5 = (f(x) = x^2 - 49)$$

$$No6 = (p = 500 - 0.4x)$$

```
No7 : N  = 100   ,
    : P1 = 4000  , P2 = 4500  , P3 = 5000  ,
    : B  = 500   , M  = 845500
No8 : P  = 3     , L  = 4     , A  = 16    , D  = 30
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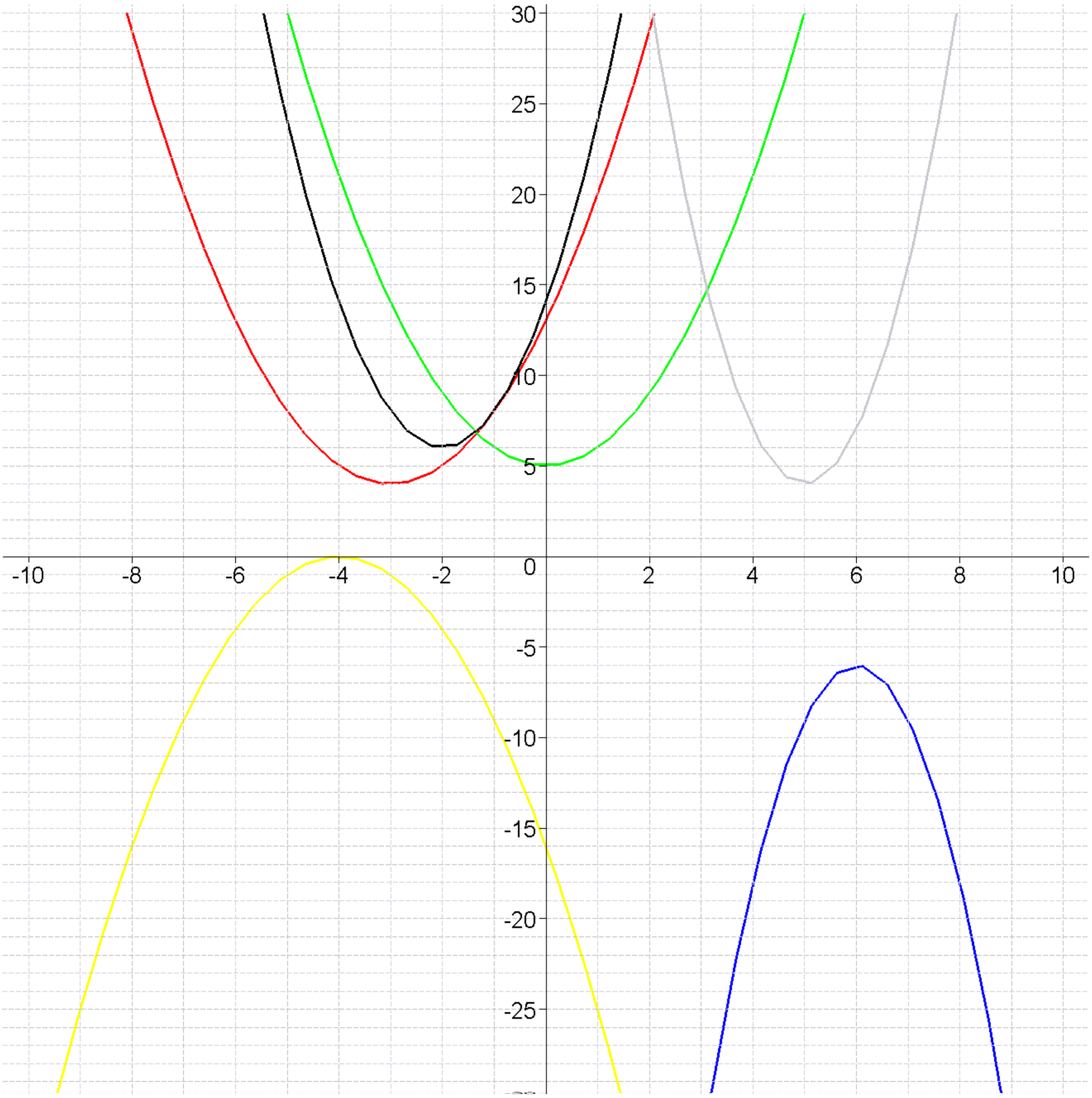
Function03 for No.645224

$$No1 = \begin{bmatrix} .1 = [y = -3\,(x-6)^2 - 6] & .3 = [y = -(x+4)^2] & .5 = [y = x^2 + 5] \\ .2 = [y = 3\,x^2 - 30\,x + 79] & .4 = [y = 2\,x^2 + 8\,x + 14] & .6 = [y = (x+3)^2 + 4] \end{bmatrix}$$



$$No2 = (\,\mathrm{f}(x) = -x^2 + 10\,x - 16\,), \quad , No3 = (\,\mathrm{f}(x) = -x^2 + 14\,x - 49\,)$$

$$No4 = (\,\mathrm{f}(x) = x^2 - 10\,x + 21\,), \quad , No5 = (\,\mathrm{f}(x) = -x^2 + 2\,x + 63\,)$$

$$No6 = (p = 300 - 0.5\,x)$$

No7 : N = 130 ,
: P1 = 7000 , P2 = 7500 , P3 = 8000 ,
: B = 500 , M = 1792000
No8 : P = 6 , L = 16 , A = 49 , D = 72

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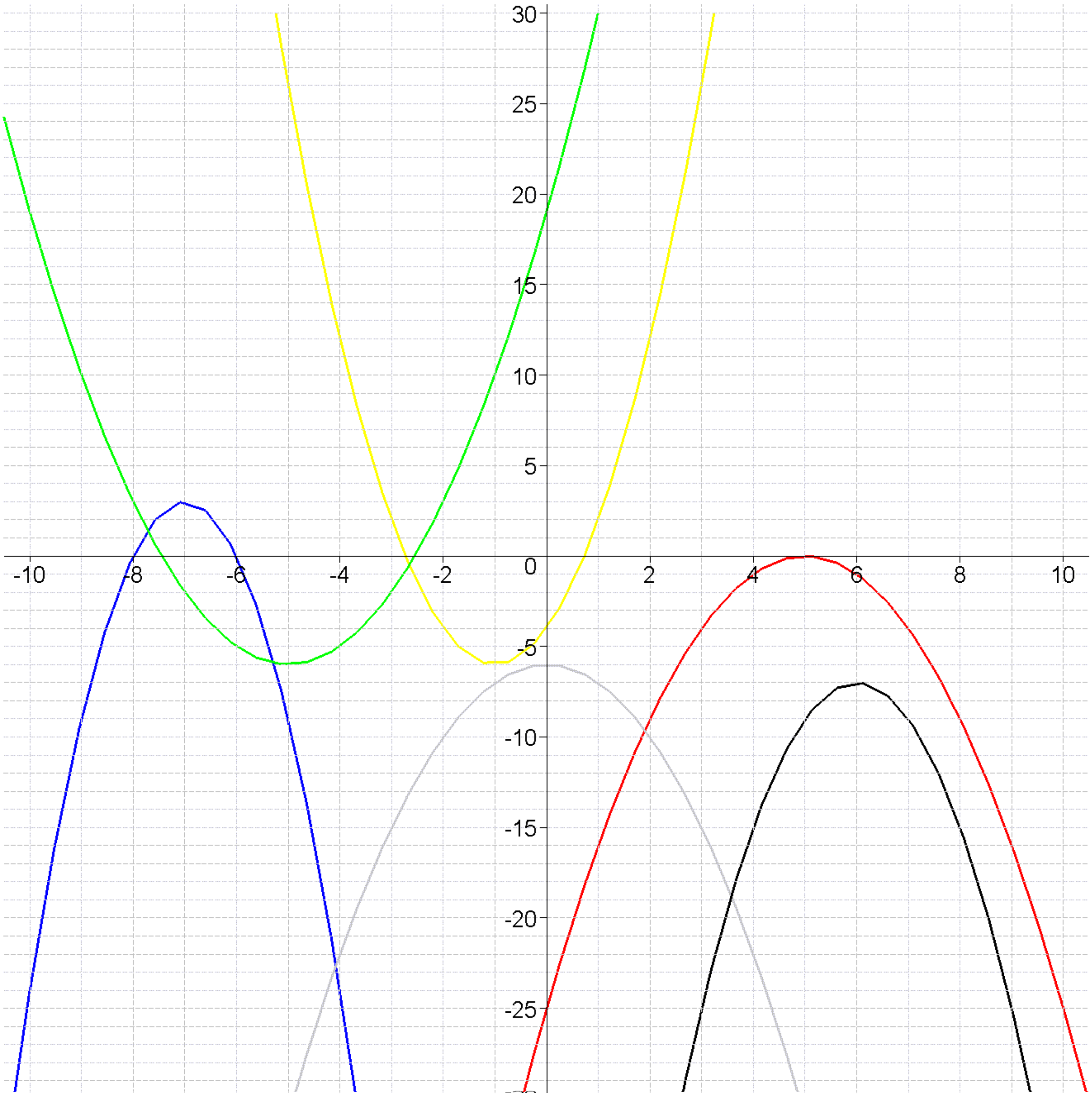
Function03 for No.645225

$$No1 = \begin{bmatrix} .1 = [y = x^2 + 10\,x + 19] & .3 = [y = -x^2 - 6] & .5 = [y = -x^2 + 10\,x - 25] \\ .2 = [y = -2\,(x-6)^2 - 7] & .4 = [y = -3\,(x+7)^2 + 3] & .6 = [y = 2\,x^2 + 4\,x - 4] \end{bmatrix}$$



$$No2 = (\,f(x) = -x^2 - 4\,x + 45\,), \quad , No3 = (\,f(x) = x^2 + 4\,x + 4\,)$$

$$No4 = (\,f(x) = x^2 - 12\,x + 32\,), \quad , No5 = (\,f(x) = -x^2 - 2\,x + 3\,)$$

$$No6 = (p = 700 - 0.4\,x)$$

```
No7 : N  = 130    ,
    : P1 = 6000   , P2 = 6600   , P3 = 7200   ,
    : B  = 600    , M  = 1725000
No8 : P  = 1      , L  = 12     , A  = 169    , D  = 4
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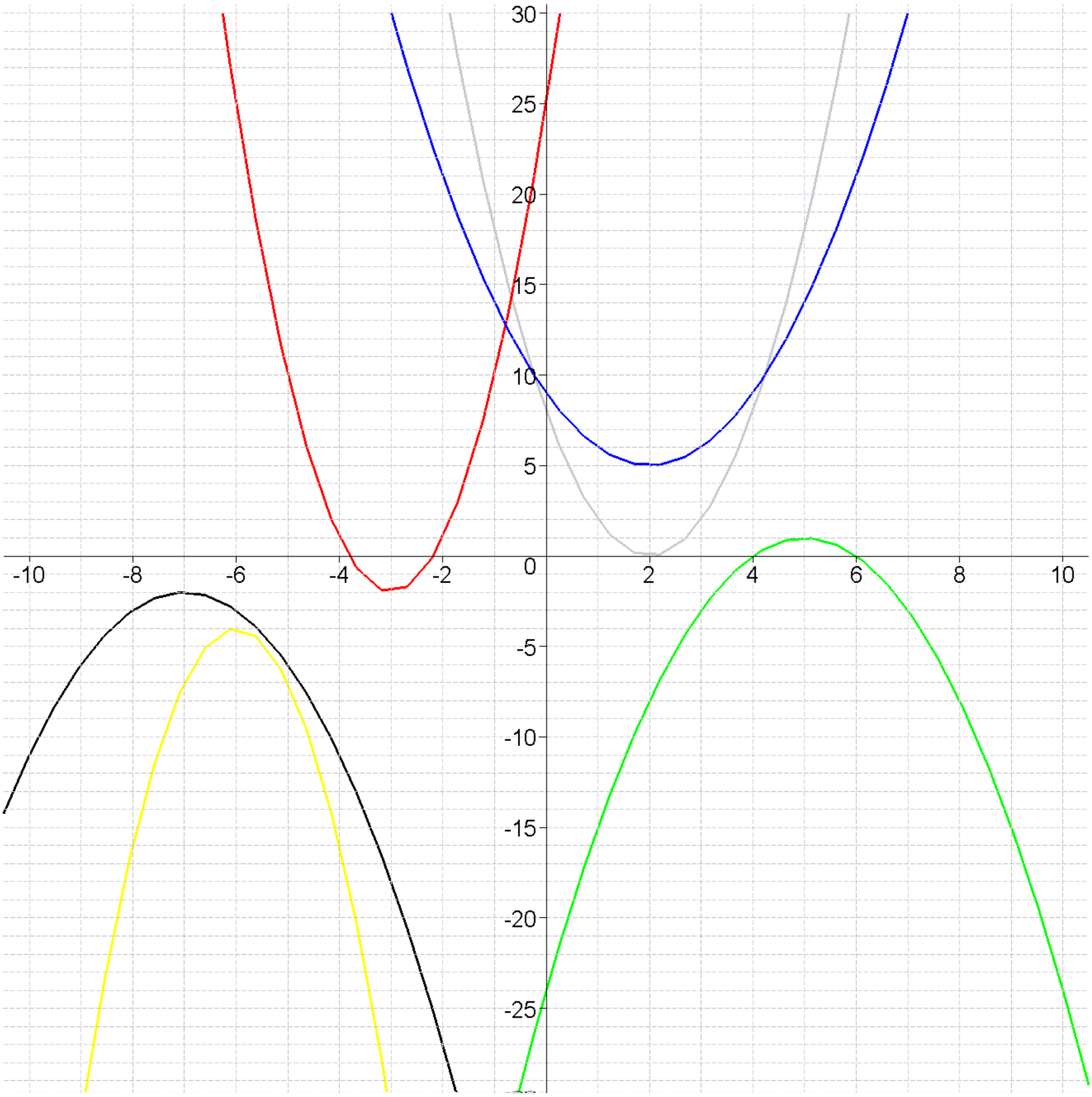
Function03 for No.645226

$$No1 = \begin{bmatrix} .1 = [y = x^2 - 4x + 9] & .3 = [y = -(x+7)^2 - 2] & .5 = [y = -x^2 + 10x - 24] \\ .2 = [y = -3x^2 - 36x - 112] & .4 = [y = 3(x+3)^2 - 2] & .6 = [y = 2(x-2)^2] \end{bmatrix}$$



$$No2 = (f(x) = x^2 + 14x + 48), \quad , No3 = (f(x) = x^2 - 12x + 32)$$

$$No4 = (f(x) = -x^2 + 2x + 15), \quad , No5 = (f(x) = x^2 - 2x + 1)$$

$$No6 = (p = 300 - 0.7x)$$

```
No7 : N  = 100   ,
    : P1 = 4000  , P2 = 4500  , P3 = 5000  ,
    : B  = 500   , M  = 1037500
No8 : P  = 2     , L  = 3     , A  = 169   , D  = 18
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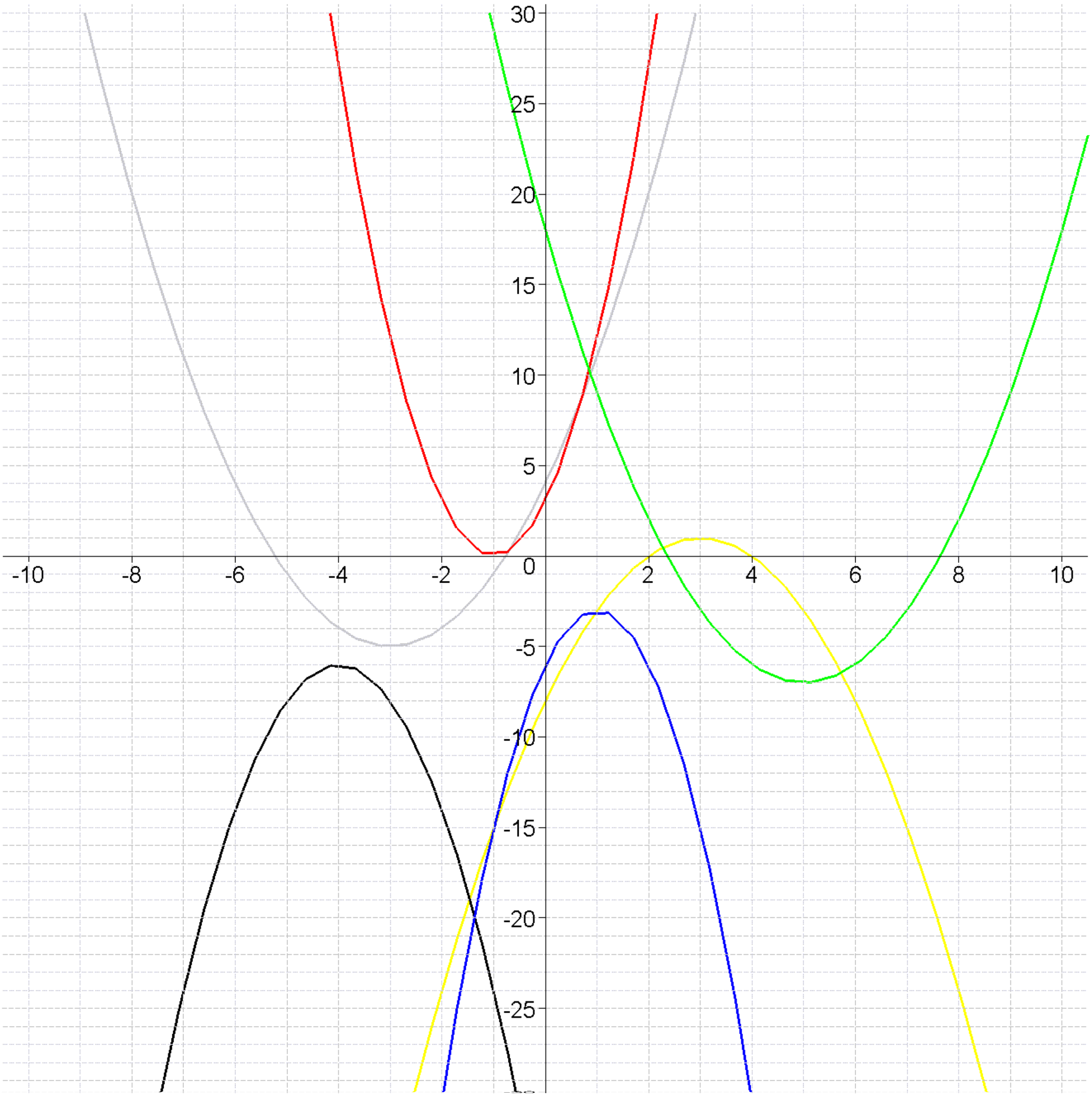
Function03 for No.645227

$$No1 = \begin{bmatrix} .1 = [y = -3\,x^2 + 6\,x - 6] & .3 = [y = 3\,(x+1)^2] & .5 = [y = (x+3)^2 - 5] \\ .2 = [y = (x-5)^2 - 7] & .4 = [y = -2\,x^2 - 16\,x - 38] & .6 = [y = -x^2 + 6\,x - 8] \end{bmatrix}$$



$$No2 = (\,f(x) = -x^2 + 6\,x - 9\,), \quad , No3 = (\,f(x) = -x^2 + 14\,x - 48\,)$$

$$No4 = (\,f(x) = x^2 - 16\,), \quad , No5 = (\,f(x) = x^2 + 2\,x - 35\,)$$

$$No6 = (p = 700 - 0.5\,x)$$

```
No7 : N  = 80    ,
    : P1 = 6000  , P2 = 6600  , P3 = 7200  ,
    : B  = 600   , M  = 1061400
No8 : P  = 2     , L  = 8     , A  = 100   , D  = 16
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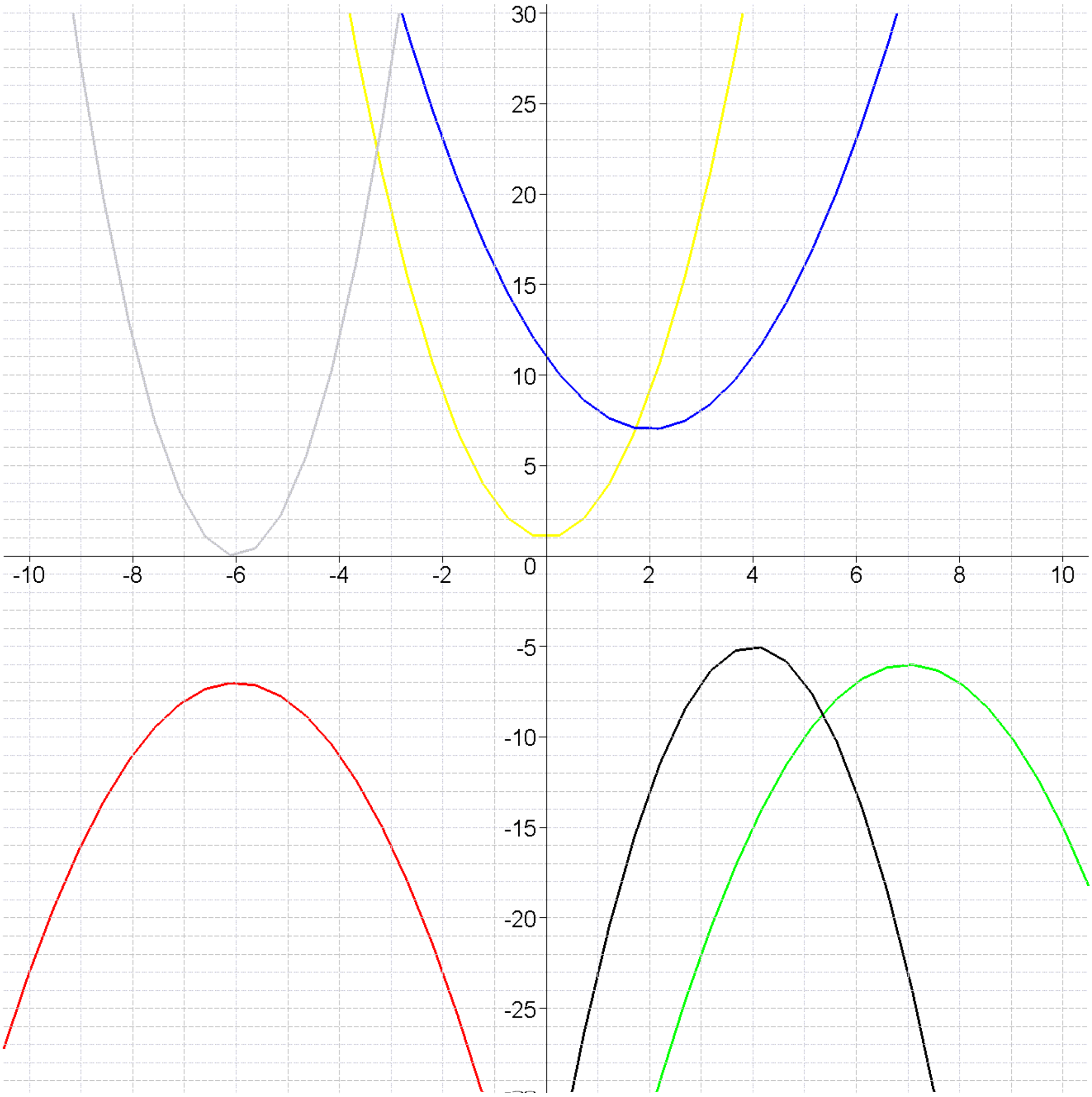
Function03 for No.645228

$$No1 = \begin{bmatrix} .1 = [y = -(x+6)^2 - 7] & .3 = [y = -2x^2 + 16x - 37] & .5 = [y = -(x-7)^2 - 6] \\ .2 = [y = x^2 - 4x + 11] & .4 = [y = 3x^2 + 36x + 108] & .6 = [y = 2x^2 + 1] \end{bmatrix}$$



$$No2 = (f(x) = x^2 - 6x), \quad , No3 = (f(x) = x^2 - 12x + 35)$$

$$No4 = (f(x) = -x^2 - 4x + 21), \quad , No5 = (f(x) = -x^2 - 14x - 49)$$

$$No6 = (p = 700 - 0.3x)$$

```
No7 : N  = 80    ,
    : P1 = 4000  , P2 = 4400  , P3 = 4800  ,
    : B  = 400   , M  = 665600
No8 : P  = 3     , L  = 8     , A  = 25    , D  = 15
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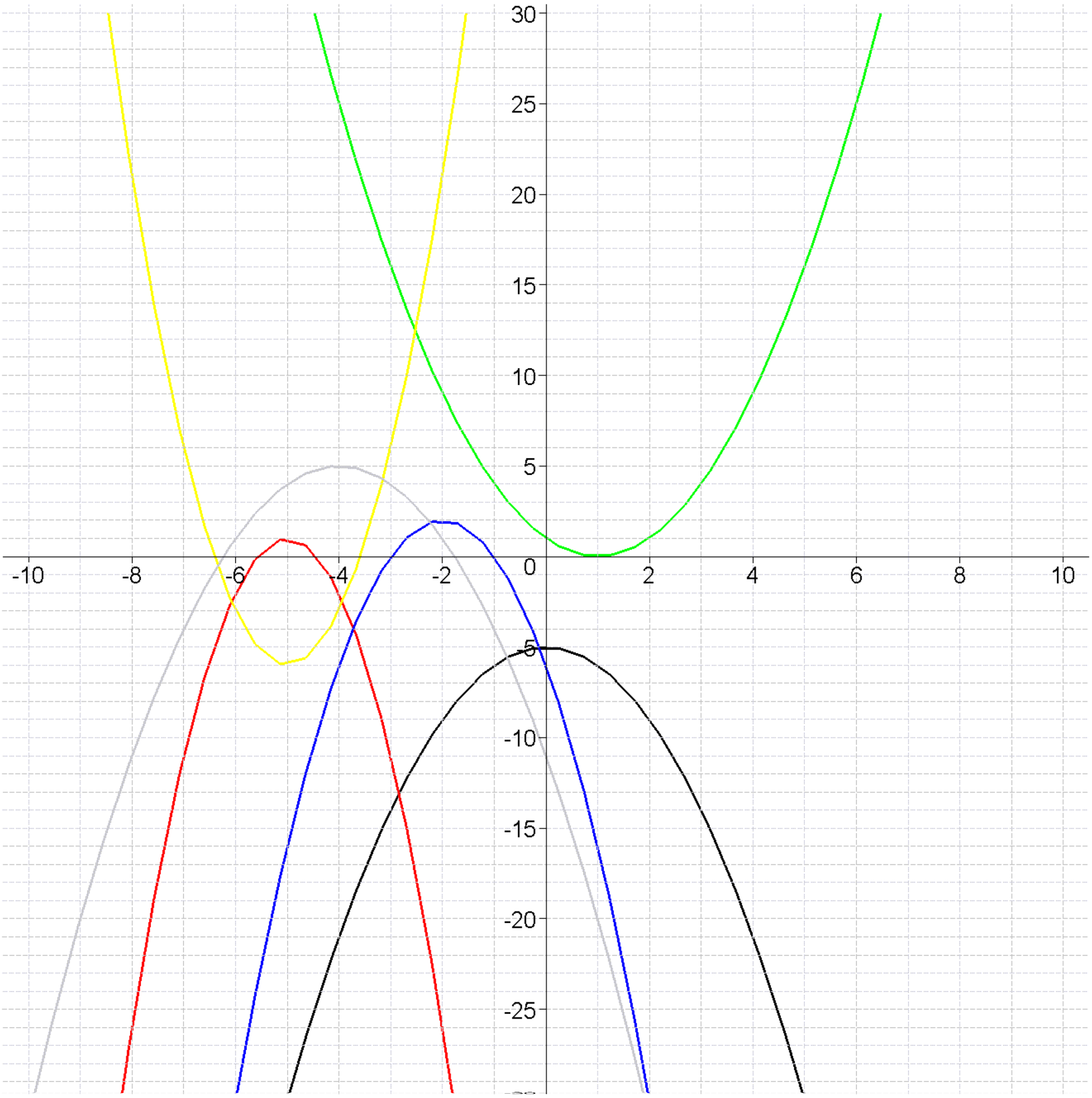
Function03 for No.645229

$$No1 = \begin{bmatrix} .1 = [y = -x^2 - 8x - 11] & .3 = [y = 3x^2 + 30x + 69] & .5 = [y = -3x^2 - 30x - 74] \\ .2 = [y = -2(x+2)^2 + 2] & .4 = [y = (x-1)^2] & .6 = [y = -x^2 - 5] \end{bmatrix}$$



$$No2 = (f(x) = x^2 + 10x + 24), \quad , No3 = (f(x) = x^2 - 8x + 16)$$

$$No4 = (f(x) = x^2 - 2x - 3), \quad , No5 = (f(x) = -x^2 - 2x + 3)$$

$$No6 = (p = 400 - 0.4x)$$

```
No7 : N  = 130    ,
    : P1 = 3000   , P2 = 3300   , P3 = 3600   ,
    : B  = 300    , M  = 1013700
No8 : P  = 4      , L  = 13     , A  = 25     , D  = 12
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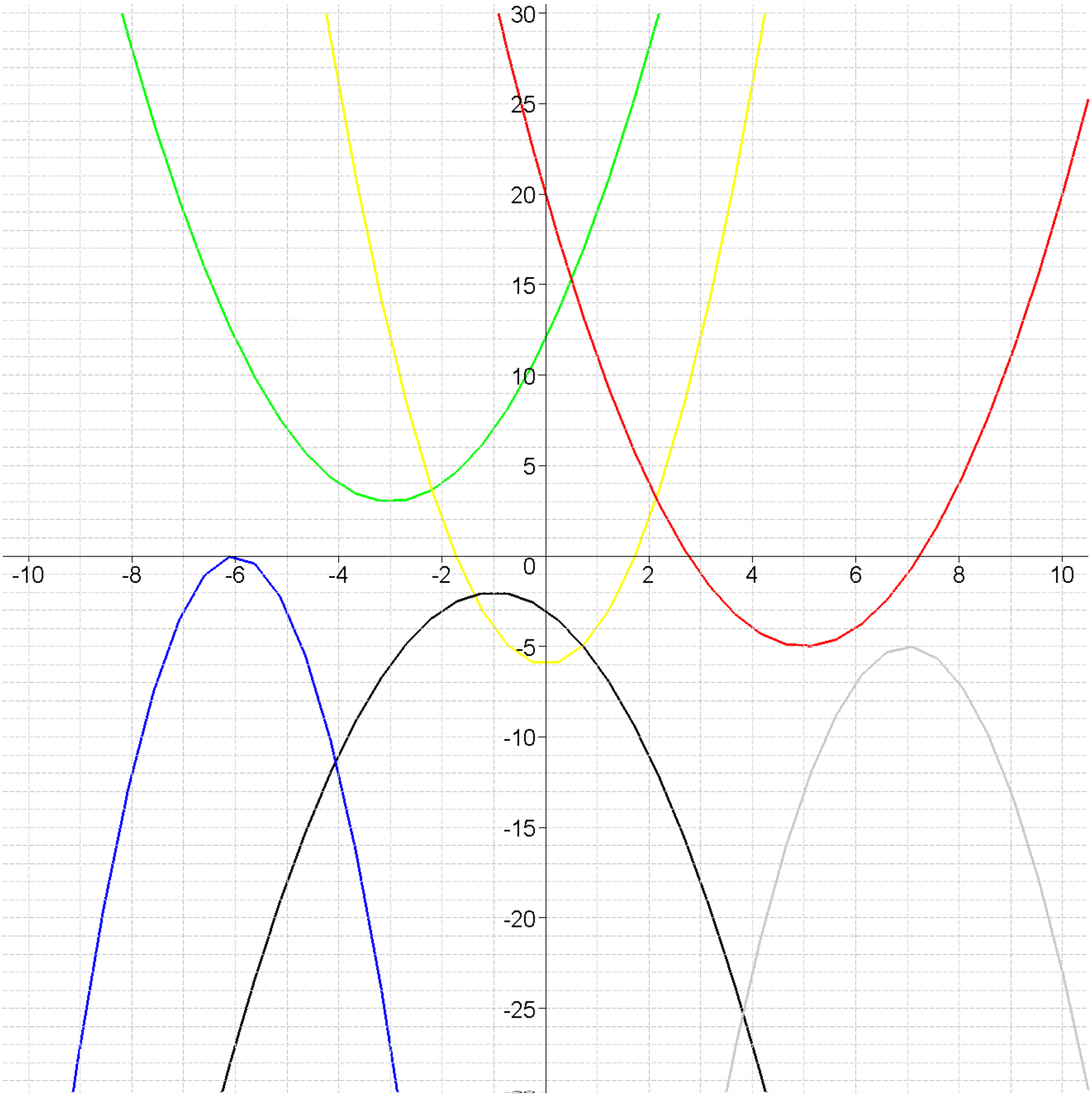
Function03 for No.645230

$$No1 = \begin{bmatrix} .1 = [y = -2x^2 + 28x - 103] & .3 = [y = x^2 - 10x + 20] & .5 = [y = 2x^2 - 6] \\ .2 = [y = -3(x+6)^2] & .4 = [y = -(x+1)^2 - 2] & .6 = [y = x^2 + 6x + 12] \end{bmatrix}$$



$$No2 = (f(x) = x^2 + 2x - 48), \quad , No3 = (f(x) = -x^2 - 2x + 15)$$

$$No4 = (f(x) = x^2 + 16x + 64), \quad , No5 = (f(x) = -x^2 - 4x + 45)$$

$$No6 = (p = 700 - 0.1x)$$

```
No7 : N  = 90     ,
    : P1 = 5000   , P2 = 5500   , P3 = 6000   ,
    : B  = 500    , M  = 800000
No8 : P  = 7      , L  = 14     , A  = 121    , D  = 70
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