

[illegible]

Function03 Answers for No.9790

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Ans1 : .1 > gray
      : .2 > yellow
      : .3 > red
      : .4 > blue
      : .5 > green
      : .6 > black
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Ans	2	3	4	5
.2	$(-\infty, \infty)$	$(-\infty, \infty)$	$(-\infty, \infty)$	$(-\infty, \infty)$
.3	$(-1, \infty)$	$(-25, \infty)$	$(0, \infty)$	$(-\infty, 49)$
.4	$(-5, 0), (-3, 0)$	$(-2, 0), (8, 0)$	$(4, 0)$	$(-7, 0), (7, 0)$
.5	$(-4, -1)$	$(3, -25)$	$(4, 0)$	$(0, 49)$
.6	Minimum	Minimum	Minimum	Maximum
.7	min = -1	min = -25	min = 0	max = 49

$$Ans6 = \begin{bmatrix} .I = [P(x) = (300 - 0.6x)x] \\ .2 = [250.00, 37500] \end{bmatrix}, \quad Ans7 = \begin{bmatrix} .I = [Income(x) = (6000 + 600x)(130 - x)] \\ .2 = \{13800, 70200\} \\ .3 = [42000, 2940000] \end{bmatrix}, \quad Ans8 = \begin{bmatrix} .I = \begin{bmatrix} AreaS(x) = x^2 \\ AreaR = x(x + 10) \end{bmatrix} \\ .3 = 56 \\ .4 = 13 \\ .5 = \begin{bmatrix} AS = 169 \\ AR = 299 \end{bmatrix} \\ .6 = [f(x) = 10x] \end{bmatrix}$$

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Ans1 : .1 > gray
      : .2 > green
      : .3 > yellow
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      : .5 > black
      : .6 > blue
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Ans	2	3	4	5
.2	$(-\infty, \infty)$	$(-\infty, \infty)$	$(-\infty, \infty)$	$(-\infty, \infty)$
.3	$(-\infty, 0)$	$(-36, \infty)$	$(-9, \infty)$	$(-\infty, 16)$
.4	$(8, 0)$	$(-7, 0), (5, 0)$	$(1, 0), (7, 0)$	$(-5, 0), (3, 0)$
.5	$(8, 0)$	$(-1, -36)$	$(4, -9)$	$(-1, 16)$
.6	Maximum	Minimum	Minimum	Maximum
.7	$\max = 0$	$\min = -36$	$\min = -9$	$\max = 16$

$$Ans6 = \begin{bmatrix} .I = [P(x) = (700 - 0.1 x) x] \\ .2 = [3500.00, 1225000] \end{bmatrix}, \quad Ans7 = \begin{bmatrix} .I = [Income(x) = (4000 + 500 x) (100 - x)] \\ .2 = \{13500, 40500\} \\ .3 = [27000, 1458000] \end{bmatrix}, \quad Ans8 = \begin{bmatrix} .I = \begin{bmatrix} AreaS(x) = x^2 \\ AreaR = x (x + 11) \end{bmatrix} \\ .3 = 152 \\ .4 = 12 \\ .5 = \begin{bmatrix} AS = 144 \\ AR = 276 \end{bmatrix} \\ .6 = [f(x) = 11 x] \end{bmatrix}$$

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Ans1 : .1 > yellow
      : .2 > green
      : .3 > blue
      : .4 > black
      : .5 > red
      : .6 > gray
```

Ans	2	3	4	5
.2	<code>(-infinity,infinity)</code>	<code>(-infinity,infinity)</code>	<code>(-infinity,infinity)</code>	<code>(-infinity,infinity)</code>
.3	<code>(-infinity,0)</code>	<code>(-4,infinity)</code>	<code>(-9,infinity)</code>	<code>(-infinity,4)</code>
.4	<code>(-8,0)</code>	<code>(2,0),(6,0)</code>	<code>(-2,0),(4,0)</code>	<code>(1,0),(5,0)</code>
.5	<code>(-8,0)</code>	<code>(4,-4)</code>	<code>(1,-9)</code>	<code>(3,4)</code>
.6	Maximum	Minimum	Minimum	Maximum
.7	max = 0	min = -4	min = -9	max = 4

$$Ans6 = \begin{bmatrix} .I = [P(x) = (700 - 0.7x)x] \\ .2 = [500.00, 175000] \end{bmatrix}, \quad Ans7 = \begin{bmatrix} .I = [Income(x) = (6000 + 300x)(70 - x)] \\ .2 = \{10200, 16800\} \\ .3 = [13500, 607500] \end{bmatrix}, \quad Ans8 = \begin{bmatrix} .I = \begin{bmatrix} AreaS(x) = x^2 \\ AreaR = x(x + 2) \end{bmatrix} \\ .3 = 63 \\ .4 = 4 \\ .5 = \begin{bmatrix} AS = 16 \\ AR = 24 \end{bmatrix} \\ .6 = [f(x) = 2x] \end{bmatrix}$$

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Ans1 : .1 > black
      : .2 > gray
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      : .4 > green
      : .5 > blue
      : .6 > red
```

Ans	2	3	4	5
.2	$(-\infty, \infty)$	$(-\infty, \infty)$	$(-\infty, \infty)$	$(-\infty, \infty)$
.3	$(-64, \infty)$	$(-\infty, 1)$	$(-16, \infty)$	$(0, \infty)$
.4	$(-9, 0), (7, 0)$	$(-1, 0), (1, 0)$	$(-4, 0), (4, 0)$	$(2, 0)$
.5	$(-1, -64)$	$(0, 1)$	$(0, -16)$	$(2, 0)$
.6	Minimum	Maximum	Minimum	Minimum
.7	min = -64	max = 1	min = -16	min = 0

$$Ans6 = \begin{bmatrix} .I = [P(x) = (300 - 0.3 x) x] \\ .2 = [500.00, 75000] \end{bmatrix}, \quad Ans7 = \begin{bmatrix} .I = [Income(x) = (4000 + 400 x) (110 - x)] \\ .2 = \{8000, 40000\} \\ .3 = [24000, 1440000] \end{bmatrix}, \quad Ans8 = \begin{bmatrix} .I = \begin{bmatrix} AreaS(x) = x^2 \\ AreaR = x (x + 1) \end{bmatrix} \\ .3 = 20 \\ .4 = 11 \\ .5 = \begin{bmatrix} AS = 49 \\ AR = 56 \end{bmatrix} \\ .6 = [f(x) = x] \end{bmatrix}$$

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Ans1 : .1 > red
      : .2 > yellow
      : .3 > gray
      : .4 > green
      : .5 > blue
      : .6 > black
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Ans	2	3	4	5
.2	$(-\infty, \infty)$	$(-\infty, \infty)$	$(-\infty, \infty)$	$(-\infty, \infty)$
.3	$(-25, \infty)$	$(-\infty, 4)$	$(-\infty, 0)$	$(-4, \infty)$
.4	$(-9, 0), (1, 0)$	$(-8, 0), (-4, 0)$	$(5, 0)$	$(-2, 0), (2, 0)$
.5	$(-4, -25)$	$(-6, 4)$	$(5, 0)$	$(0, -4)$
.6	Minimum	Maximum	Maximum	Minimum
.7	min = -25	max = 4	max = 0	min = -4

$$Ans6 = \begin{bmatrix} .I = [P(x) = (300 - 0.6x)x] \\ .2 = [250.00, 37500] \end{bmatrix}, \quad Ans7 = \begin{bmatrix} .I = [Income(x) = (4000 + 400x)(80 - x)] \\ .2 = \{12000, 24000\} \\ .3 = [18000, 810000] \end{bmatrix}, \quad Ans8 = \begin{bmatrix} .I = \begin{bmatrix} AreaS(x) = x^2 \\ AreaR = x(x+1) \end{bmatrix} \\ .3 = 2 \\ .4 = 4 \\ .5 = \begin{bmatrix} AS = 36 \\ AR = 42 \end{bmatrix} \\ .6 = [f(x) = x] \end{bmatrix}$$

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Ans1 : .1 > yellow
      : .2 > gray
      : .3 > blue
      : .4 > black
      : .5 > red
      : .6 > green
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Ans	2	3	4	5
.2	$(-\infty, \infty)$	$(-\infty, \infty)$	$(-\infty, \infty)$	$(-\infty, \infty)$
.3	$(-\infty, 0)$	$(-\infty, 9)$	$(-\infty, 1)$	$(-16, \infty)$
.4	$(-7, 0)$	$(-8, 0), (-2, 0)$	$(4, 0), (6, 0)$	$(-1, 0), (7, 0)$
.5	$(-7, 0)$	$(-5, 9)$	$(5, 1)$	$(3, -16)$
.6	Maximum	Maximum	Maximum	Minimum
.7	max = 0	max = 9	max = 1	min = -16

$$Ans6 = \left[\begin{array}{l} .I = [P(x) = (100 - 0.7x)x] \\ .2 = [71.43, 3571] \end{array} \right], \quad Ans7 = \left[\begin{array}{l} .I = [Income(x) = (3000 + 300x)(100 - x)] \\ .2 = \{6300, 26700\} \\ .3 = [16500, 907500] \end{array} \right], \quad Ans8 = \left[\begin{array}{l} .I = \left[\begin{array}{l} AreaS(x) = x^2 \\ AreaR = x(x + 5) \end{array} \right] \\ .3 = 176 \\ .4 = 7 \\ .5 = \left[\begin{array}{l} AS = 9 \\ AR = 24 \end{array} \right] \\ .6 = [f(x) = 5x] \end{array} \right]$$

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      : .5 > black
      : .6 > green
```

Ans	2	3	4	5
.2	$(-\infty, \infty)$	$(-\infty, \infty)$	$(-\infty, \infty)$	$(-\infty, \infty)$
.3	$(0, \infty)$	$(-25, \infty)$	$(-\infty, 1)$	$(-25, \infty)$
.4	$(2, 0)$	$(-7, 0), (3, 0)$	$(0, 0), (2, 0)$	$(-6, 0), (4, 0)$
.5	$(2, 0)$	$(-2, -25)$	$(1, 1)$	$(-1, -25)$
.6	Minimum	Minimum	Maximum	Minimum
.7	min = 0	min = -25	max = 1	min = -25

$$Ans6 = \left[\begin{array}{l} .I = [P(x) = (200 - 0.7x)x] \\ .2 = [142.86, 14286] \end{array} \right], \quad Ans7 = \left[\begin{array}{l} .I = [Income(x) = (6000 + 300x)(120 - x)] \\ .2 = \{11100, 30900\} \\ .3 = [21000, 1470000] \end{array} \right], \quad Ans8 = \left[\begin{array}{l} .I = \left[\begin{array}{l} AreaS(x) = x^2 \\ AreaR = x(x + 8) \end{array} \right] \\ .3 = 65 \\ .4 = 3 \\ .5 = \left[\begin{array}{l} AS = 49 \\ AR = 105 \end{array} \right] \\ .6 = [f(x) = 8x] \end{array} \right]$$

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      : .3 > gray
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      : .6 > green
```

Ans	2	3	4	5
.2	$(-\infty, \infty)$	$(-\infty, \infty)$	$(-\infty, \infty)$	$(-\infty, \infty)$
.3	$(-\infty, 9)$	$(-\infty, 0)$	$(-16, \infty)$	$(-\infty, 16)$
.4	$(-4, 0), (2, 0)$	$(-2, 0)$	$(-2, 0), (6, 0)$	$(1, 0), (9, 0)$
.5	$(-1, 9)$	$(-2, 0)$	$(2, -16)$	$(5, 16)$
.6	Maximum	Maximum	Minimum	Maximum
.7	$\max = 9$	$\max = 0$	$\min = -16$	$\max = 16$

$$Ans6 = \begin{bmatrix} .I = [P(x) = (400 - 0.5x)x] \\ .2 = [400.00, 80000] \end{bmatrix}, \quad Ans7 = \begin{bmatrix} .I = [Income(x) = (6000 + 500x)(80 - x)] \\ .2 = \{15000, 31000\} \\ .3 = [23000, 1058000] \end{bmatrix}, \quad Ans8 = \begin{bmatrix} .I = \begin{bmatrix} AreaS(x) = x^2 \\ AreaR = x(x + 4) \end{bmatrix} \\ .3 = 12 \\ .4 = 8 \\ .5 = \begin{bmatrix} AS = 169 \\ AR = 221 \end{bmatrix} \\ .6 = [f(x) = 4x] \end{bmatrix}$$

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      : .2 > blue
      : .3 > black
      : .4 > red
      : .5 > green
      : .6 > yellow
```

Ans	2	3	4	5
.2	$(-\infty, \infty)$	$(-\infty, \infty)$	$(-\infty, \infty)$	$(-\infty, \infty)$
.3	$(-4, \infty)$	$(0, \infty)$	$(-\infty, 4)$	$(-36, \infty)$
.4	$(4, 0), (8, 0)$	$(2, 0)$	$(-2, 0), (2, 0)$	$(-5, 0), (7, 0)$
.5	$(6, -4)$	$(2, 0)$	$(0, 4)$	$(1, -36)$
.6	Minimum	Minimum	Maximum	Minimum
.7	min = -4	min = 0	max = 4	min = -36

$$Ans6 = \left[\begin{array}{l} .I = [P(x) = (600 - 0.7x)x] \\ .2 = [428.57, 128571] \end{array} \right], \quad Ans7 = \left[\begin{array}{l} .I = [Income(x) = (6000 + 500x)(110 - x)] \\ .2 = \{12500, 48500\} \\ .3 = [30500, 1860500] \end{array} \right], \quad Ans8 = \left[\begin{array}{l} .I = \left[\begin{array}{l} AreaS(x) = x^2 \\ AreaR = x(x + 7) \end{array} \right] \\ .3 = 8 \\ .4 = 3 \\ .5 = \left[\begin{array}{l} AS = 64 \\ AR = 120 \end{array} \right] \\ .6 = [f(x) = 7x] \end{array} \right]$$

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Function03 Answers for No.14432

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Ans1 : .1 > yellow
      : .2 > blue
      : .3 > gray
      : .4 > green
      : .5 > red
      : .6 > black
```

Ans	2	3	4	5
.2	$(-\infty, \infty)$	$(-\infty, \infty)$	$(-\infty, \infty)$	$(-\infty, \infty)$
.3	$(-\infty, 1)$	$(-1, \infty)$	$(-\infty, 36)$	$(0, \infty)$
.4	$(3, 0), (5, 0)$	$(-1, 0), (1, 0)$	$(-3, 0), (9, 0)$	$(-8, 0)$
.5	$(4, 1)$	$(0, -1)$	$(3, 36)$	$(-8, 0)$
.6	Maximum	Minimum	Maximum	Minimum
.7	$\max = 1$	$\min = -1$	$\max = 36$	$\min = 0$

$$Ans6 = \begin{bmatrix} .I = [P(x) = (400 - 0.7x)x] \\ .2 = [285.71, 57143] \end{bmatrix}, \quad Ans7 = \begin{bmatrix} .I = [Income(x) = (6000 + 300x)(90 - x)] \\ .2 = \{10500, 22500\} \\ .3 = [16500, 907500] \end{bmatrix}, \quad Ans8 = \begin{bmatrix} .I = \begin{bmatrix} AreaS(x) = x^2 \\ AreaR = x(x + 1) \end{bmatrix} \\ .3 = 42 \\ .4 = 7 \\ .5 = \begin{bmatrix} AS = 9 \\ AR = 12 \end{bmatrix} \\ .6 = [f(x) = x] \end{bmatrix}$$

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