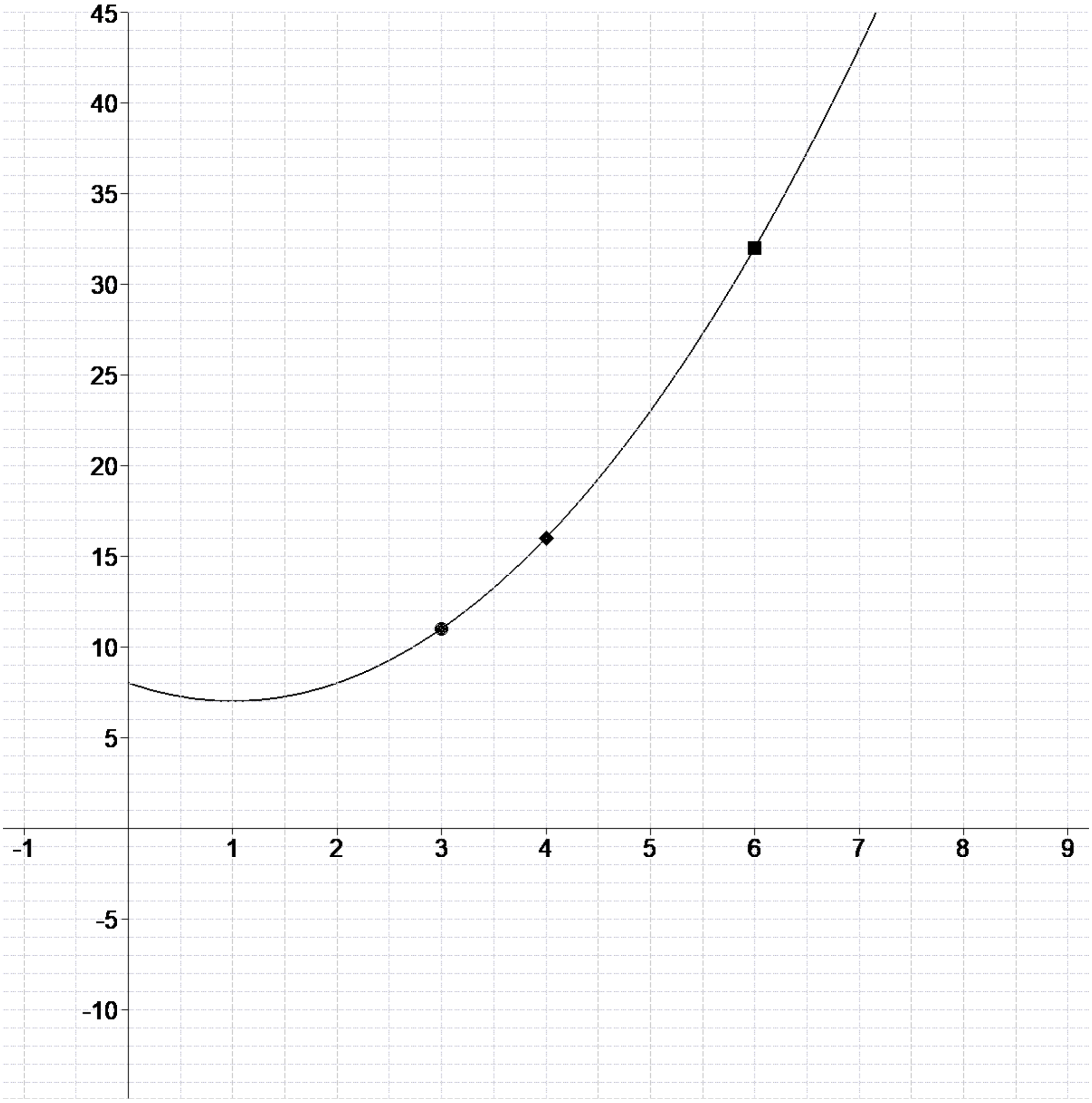
Diff01 for No.9594

$$No01 = \left(f(x) = \begin{bmatrix} 3x^2 - 5 & ; & x <= 4 \\ 4x + k & ; & x > 4 \end{bmatrix} \right), \quad No02 = \left(f(x) = \begin{bmatrix} kx + 63 & ; & x < -4 \\ 3x^2 + k & ; & x >= -4 \end{bmatrix} \right)$$

$$No03 = \left(f(x) = \begin{bmatrix} 5x + b & ; & x <= -3 \\ x^2 + ax - 13 & ; & -3 < x < 2 \\ 3x^2 - 15 & ; & x >= 2 \end{bmatrix} \right), \quad No04 = \left(f(x) = \begin{bmatrix} ax + 32 & ; & x <= -4 \\ bx + a & ; & -4 < x < 6 \\ 3x + b & ; & x >= 6 \end{bmatrix} \right)$$

$$No05 = [\, f(x) = (x-1)^2 + 7 \,]$$

$$No06 = \begin{bmatrix} f(x) = 7x^2 - 2 \\ a = 3 \\ b = 3.2 \\ c = 3.1 \\ d = 3.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 4 \\ b = 2 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 8 \\ b = 3 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 4 \\ b = 5 \end{bmatrix}$$



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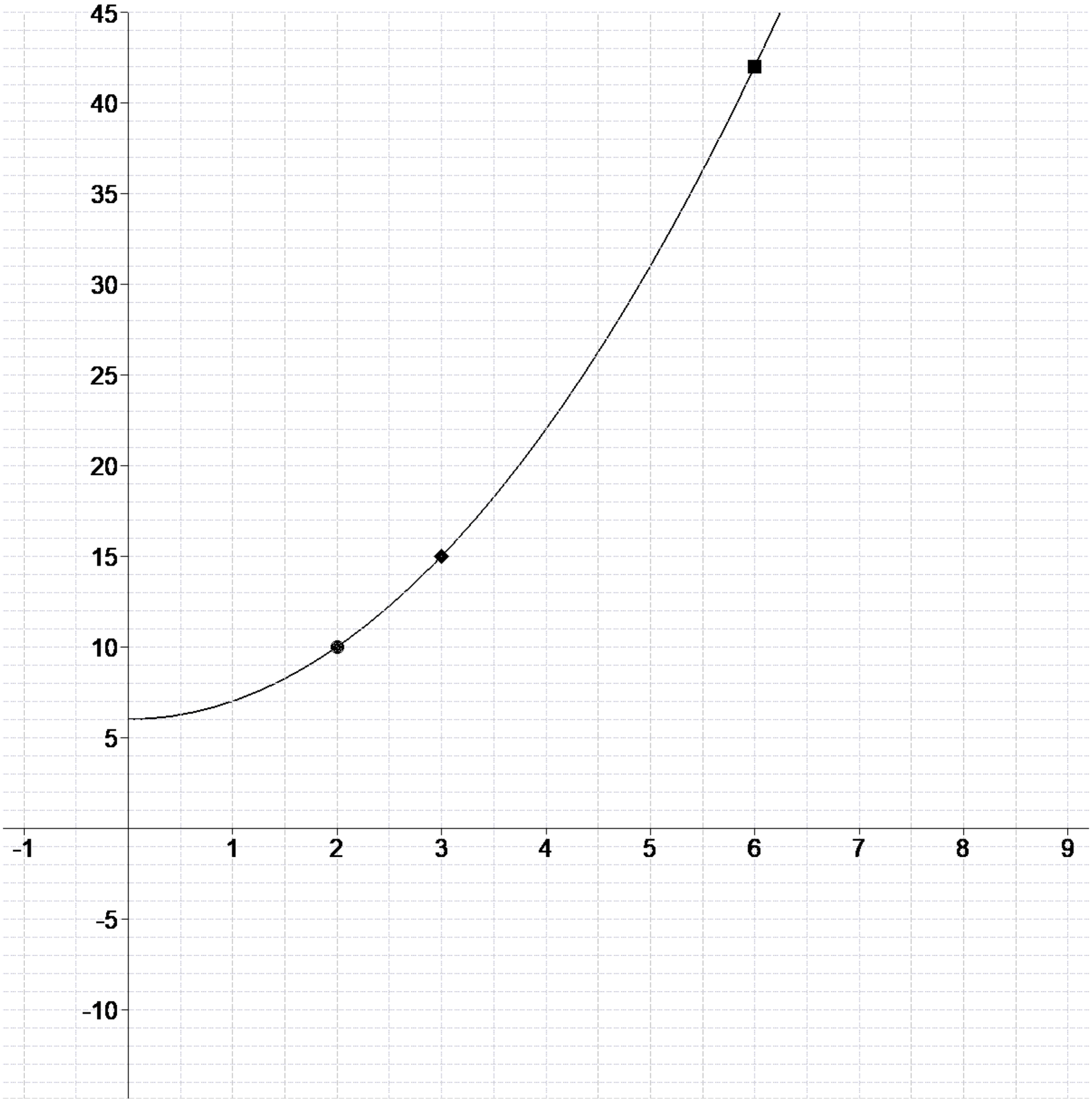
Diff01 for No.9608

$$No01=\left(f(x)=\begin{bmatrix}8x+6 & ; & x<3\\ kx^2+3 & ; & x>=3\end{bmatrix}\right),\quad No02=\left(f(x)=\begin{bmatrix}kx+42 & ; & x<-4\\ 2x^2+k & ; & x>=-4\end{bmatrix}\right)$$

$$No03=\left(f(x)=\begin{bmatrix}-2+bx & ; & x<-2\\ 3x^2+5x-6 & ; & -2<=x<4\\ x^2+a & ; & x>=4\end{bmatrix}\right),\quad No04=\left(f(x)=\begin{bmatrix}ax+20 & ; & x<-4\\ bx+a & ; & -4<=x<3\\ 6x+b & ; & x>=3\end{bmatrix}\right)$$

$$No05=[f(x)=x^2+6]$$

$$No06=\begin{bmatrix}f(x)=7x^2+3\\ a=4\\ b=4.2\\ c=4.1\\ d=4.01\end{bmatrix},\quad No07=\begin{bmatrix}a=2\\ b=4\end{bmatrix},\quad No08=\begin{bmatrix}a=4\\ b=2\end{bmatrix},\quad No08=\begin{bmatrix}a=8\\ b=2\end{bmatrix}$$



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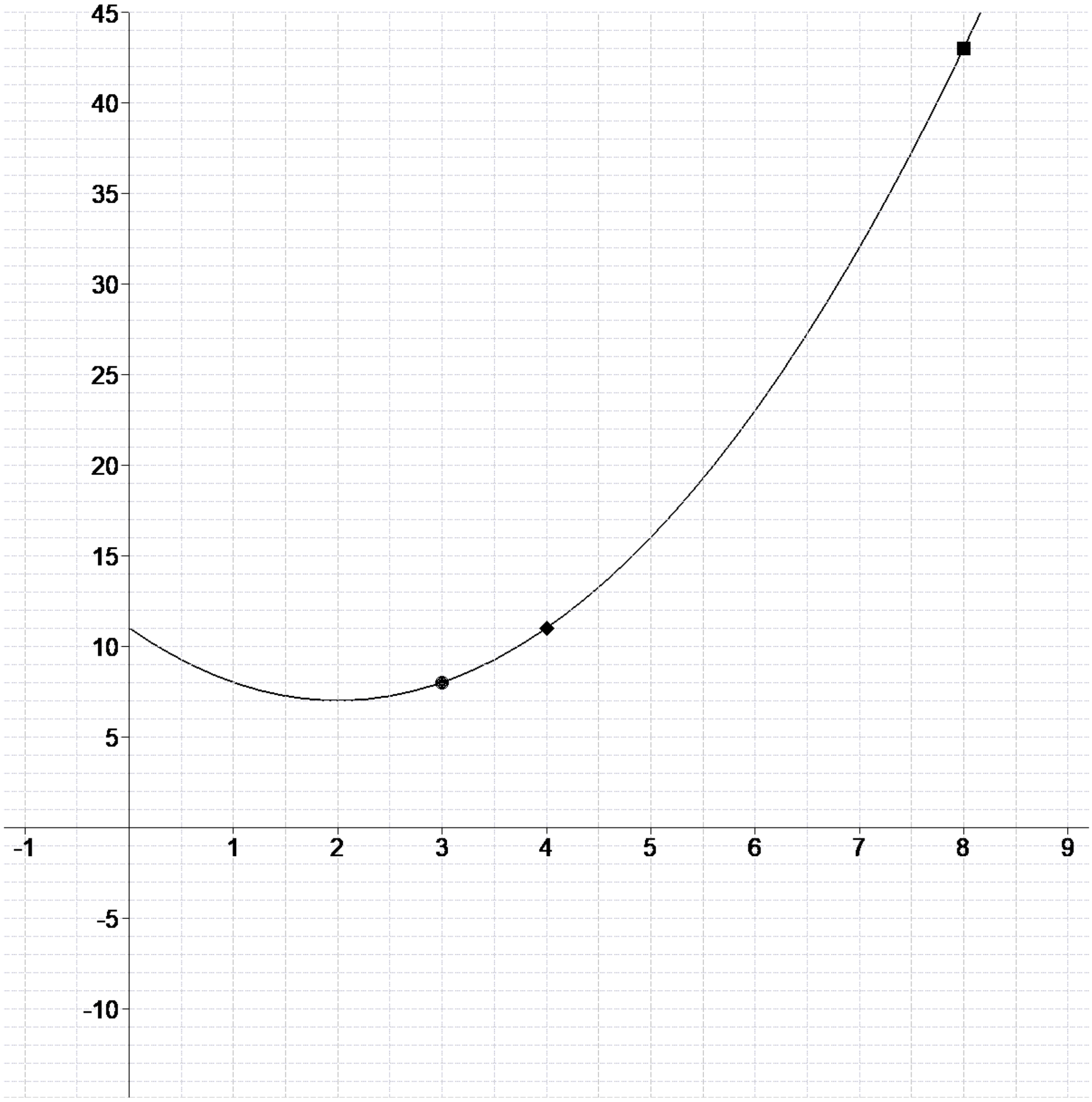
Diff01 for No.9646

$$No01 = \left(f(x) = \begin{bmatrix} k\,x^2 + 1 & ; & x < 3 \\ 6\,x + 10 & ; & x >= 3 \end{bmatrix} \right), \quad , No02 = \left(f(x) = \begin{bmatrix} k\,x^2 - 18 & ; & x < -2 \\ 6\,x + k & ; & x >= -2 \end{bmatrix} \right)$$

$$No03 = \left(f(x) = \begin{bmatrix} b\,x^2 + 6\,x + 3 & ; & x <= -4 \\ 3\,x^2 + a & ; & -4 < x <= 3 \\ -13 + x & ; & x > 3 \end{bmatrix} \right), \quad , No04 = \left(f(x) = \begin{bmatrix} b\,x + 11 & ; & x <= -3 \\ a\,x + b & ; & -3 < x <= 2 \\ 4\,x + a & ; & x > 2 \end{bmatrix} \right)$$

$$No05 = [\, f(x) = (x - 2)^2 + 7 \,]$$

$$No06 = \begin{bmatrix} f(x) = 3\,x^2 + 5 \\ a = 2 \\ b = 2.2 \\ c = 2.1 \\ d = 2.01 \end{bmatrix}, \quad , No07 = \begin{bmatrix} a = 2 \\ b = 3 \end{bmatrix}, \quad , No08 = \begin{bmatrix} a = 2 \\ b = 3 \end{bmatrix}, \quad , No08 = \begin{bmatrix} a = 8 \\ b = 2 \end{bmatrix}$$



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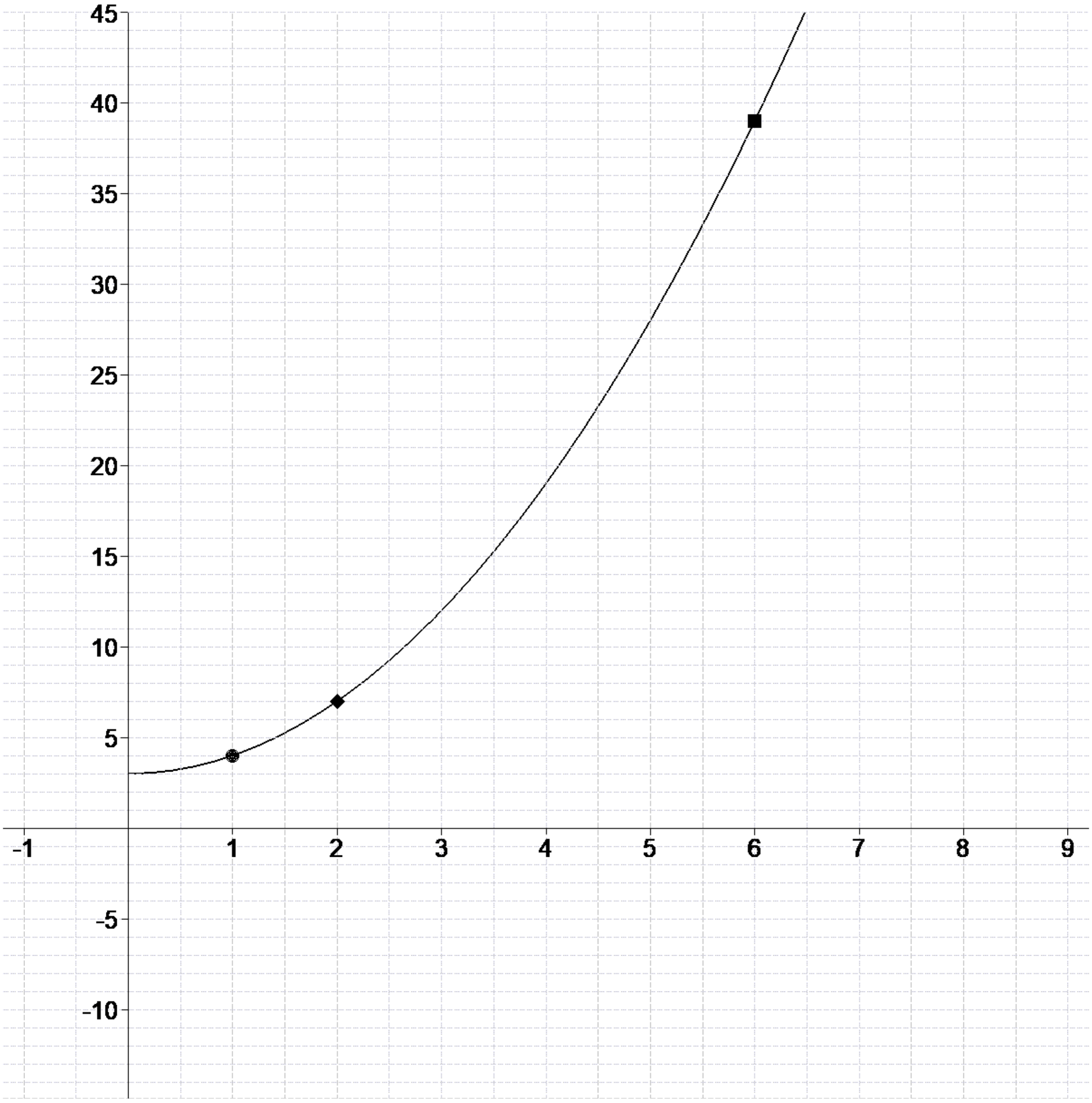
Diff01 for No.9649

$$No01 = \left(f(x) = \begin{bmatrix} 3x + k & ; & x < 4 \\ 4x^2 - 2 & ; & x >= 4 \end{bmatrix} \right), \quad , No02 = \left(f(x) = \begin{bmatrix} 5x + k & ; & x <= -4 \\ kx^2 - 50 & ; & x > -4 \end{bmatrix} \right)$$

$$No03 = \left(f(x) = \begin{bmatrix} x + a & ; & x < -4 \\ bx^2 - 7x - 66 & ; & -4 <= x <= 2 \\ 3x^2 - 84 & ; & x > 2 \end{bmatrix} \right), \quad , No04 = \left(f(x) = \begin{bmatrix} bx + 22 & ; & x < -4 \\ ax + b & ; & -4 <= x < 4 \\ 3x + a & ; & x >= 4 \end{bmatrix} \right)$$

$$No05 = [\, f(x) = x^2 + 3 \,]$$

$$No06 = \begin{bmatrix} f(x) = 5x^2 - 4 \\ a = 2 \\ b = 2.2 \\ c = 2.1 \\ d = 2.01 \end{bmatrix}, \quad , No07 = \begin{bmatrix} a = 7 \\ b = 4 \end{bmatrix}, \quad , No08 = \begin{bmatrix} a = 5 \\ b = 7 \end{bmatrix}, \quad , No08 = \begin{bmatrix} a = 3 \\ b = 4 \end{bmatrix}$$



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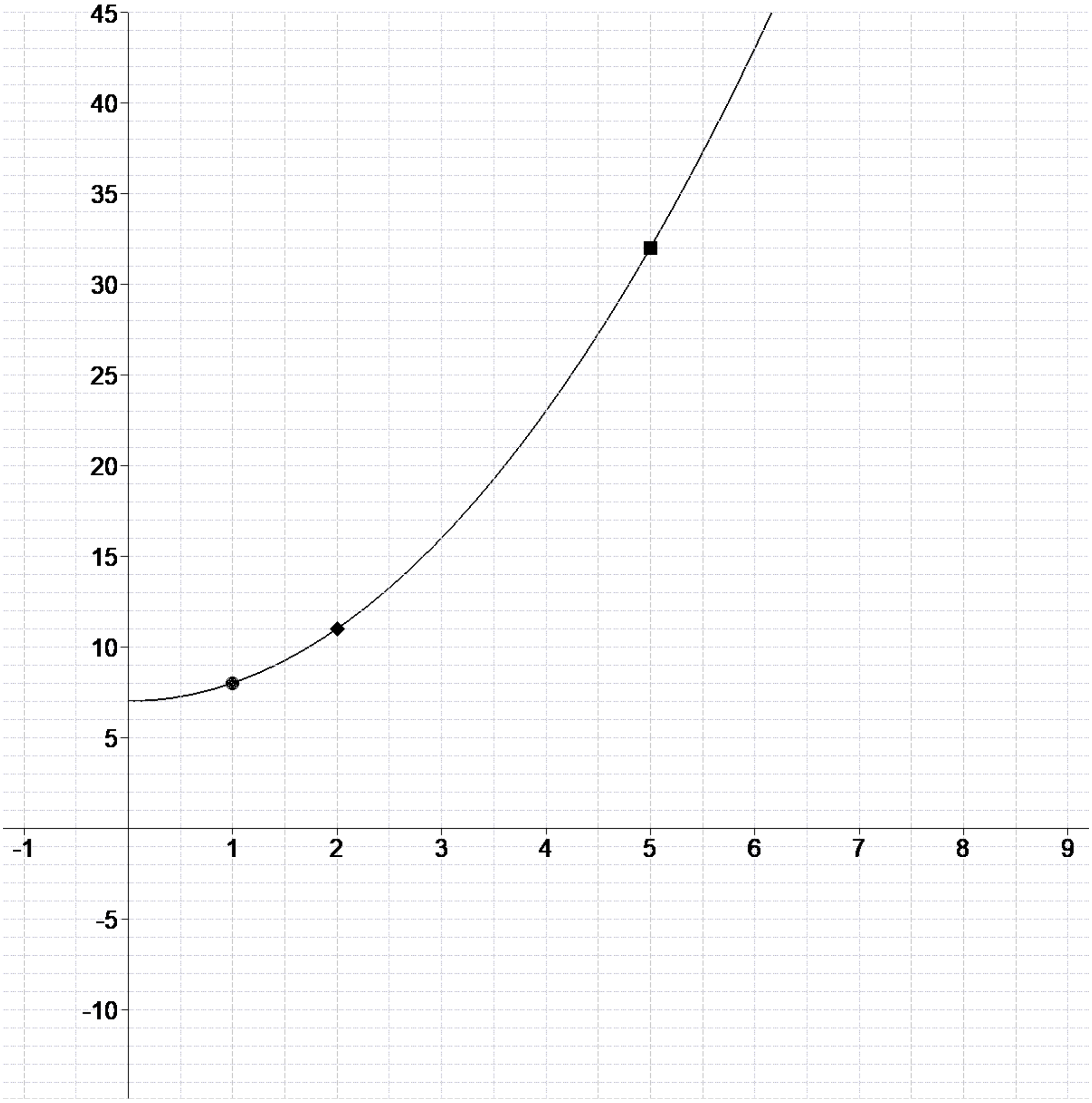
Diff01 for No.9669

$$No01 = \left(f(x) = \begin{bmatrix} 2x+5 & ; & x <= 2 \\ 4x^2+k & ; & x > 2 \end{bmatrix} \right), \quad No02 = \left(f(x) = \begin{bmatrix} kx+26 & ; & x < -2 \\ 2x^2+k & ; & x >= -2 \end{bmatrix} \right)$$

$$No03 = \left(f(x) = \begin{bmatrix} x^2+a & ; & x < -2 \\ 3x^2+bx-3 & ; & -2 <= x <= 3 \\ 7x+12 & ; & x > 3 \end{bmatrix} \right), \quad No04 = \left(f(x) = \begin{bmatrix} ax+23 & ; & x < -3 \\ bx+a & ; & -3 <= x < 5 \\ 4x+b & ; & x >= 5 \end{bmatrix} \right)$$

$$No05 = [f(x) = x^2+7]$$

$$No06 = \begin{bmatrix} f(x) = 3x^2+5 \\ a = 4 \\ b = 4.2 \\ c = 4.1 \\ d = 4.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 4 \\ b = 5 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 5 \\ b = 6 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 7 \\ b = 8 \end{bmatrix}$$



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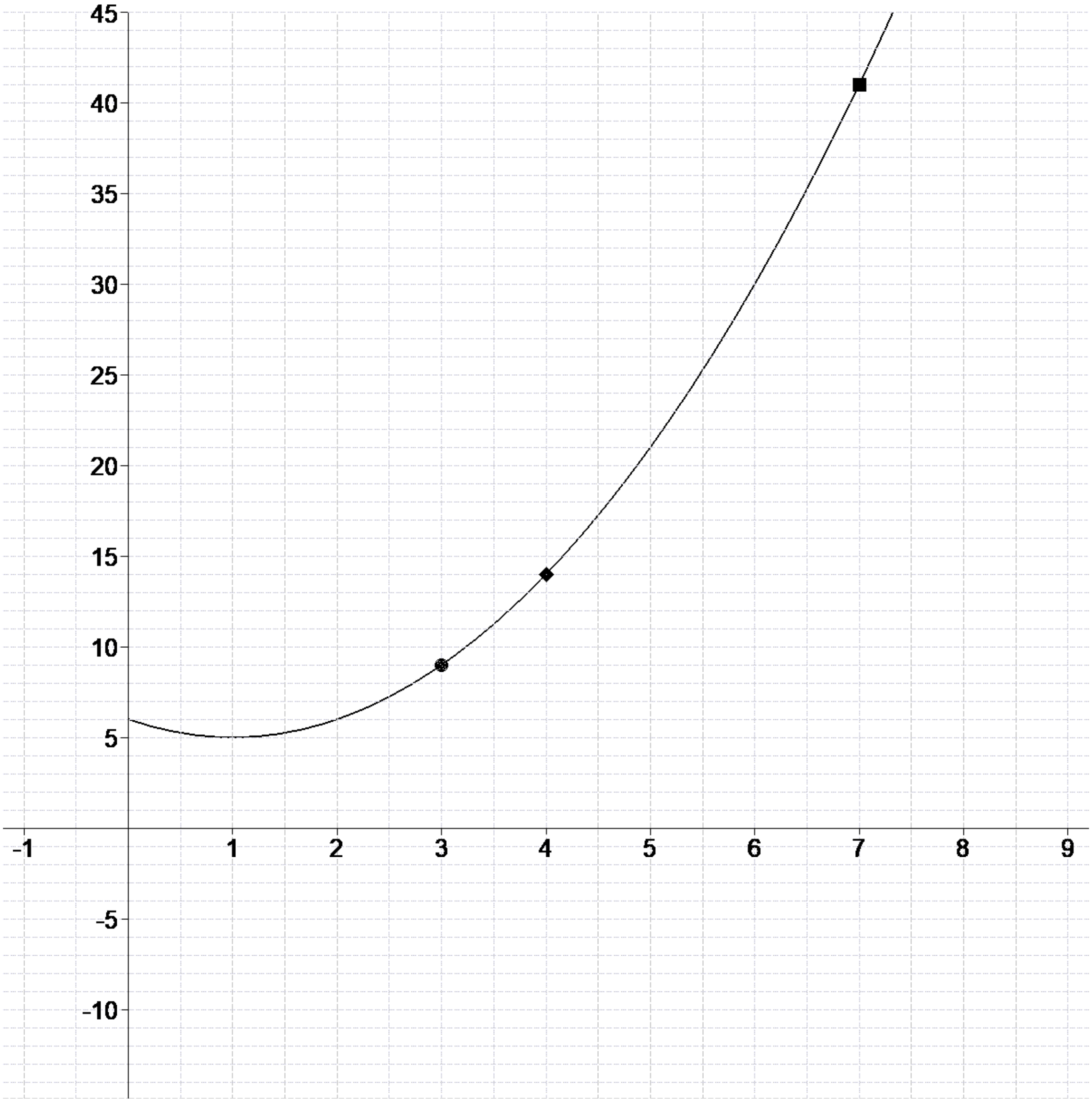
Diff01 for No.9717

$$No01 = \left(f(x) = \begin{bmatrix} 4x + k & ; & x < 3 \\ 2x^2 - 7 & ; & x >= 3 \end{bmatrix} \right), \quad , No02 = \left(f(x) = \begin{bmatrix} kx + 28 & ; & x < -2 \\ 4x^2 + k & ; & x >= -2 \end{bmatrix} \right)$$

$$No03 = \left(f(x) = \begin{bmatrix} 2x^2 + bx + 4 & ; & x <= -2 \\ 32 + 7x & ; & -2 < x < 4 \\ ax^2 + 12 & ; & x >= 4 \end{bmatrix} \right), \quad , No04 = \left(f(x) = \begin{bmatrix} ax + 17 & ; & x < -3 \\ bx + a & ; & -3 <= x <= 3 \\ 6x + b & ; & x > 3 \end{bmatrix} \right)$$

$$No05 = [\, f(x) = (x-1)^2 + 5 \,]$$

$$No06 = \begin{bmatrix} f(x) = 4x^2 + 5 \\ a = 3 \\ b = 3.2 \\ c = 3.1 \\ d = 3.01 \end{bmatrix}, \quad , No07 = \begin{bmatrix} a = 3 \\ b = 6 \end{bmatrix}, \quad , No08 = \begin{bmatrix} a = 3 \\ b = 7 \end{bmatrix}, \quad , No08 = \begin{bmatrix} a = 8 \\ b = 4 \end{bmatrix}$$



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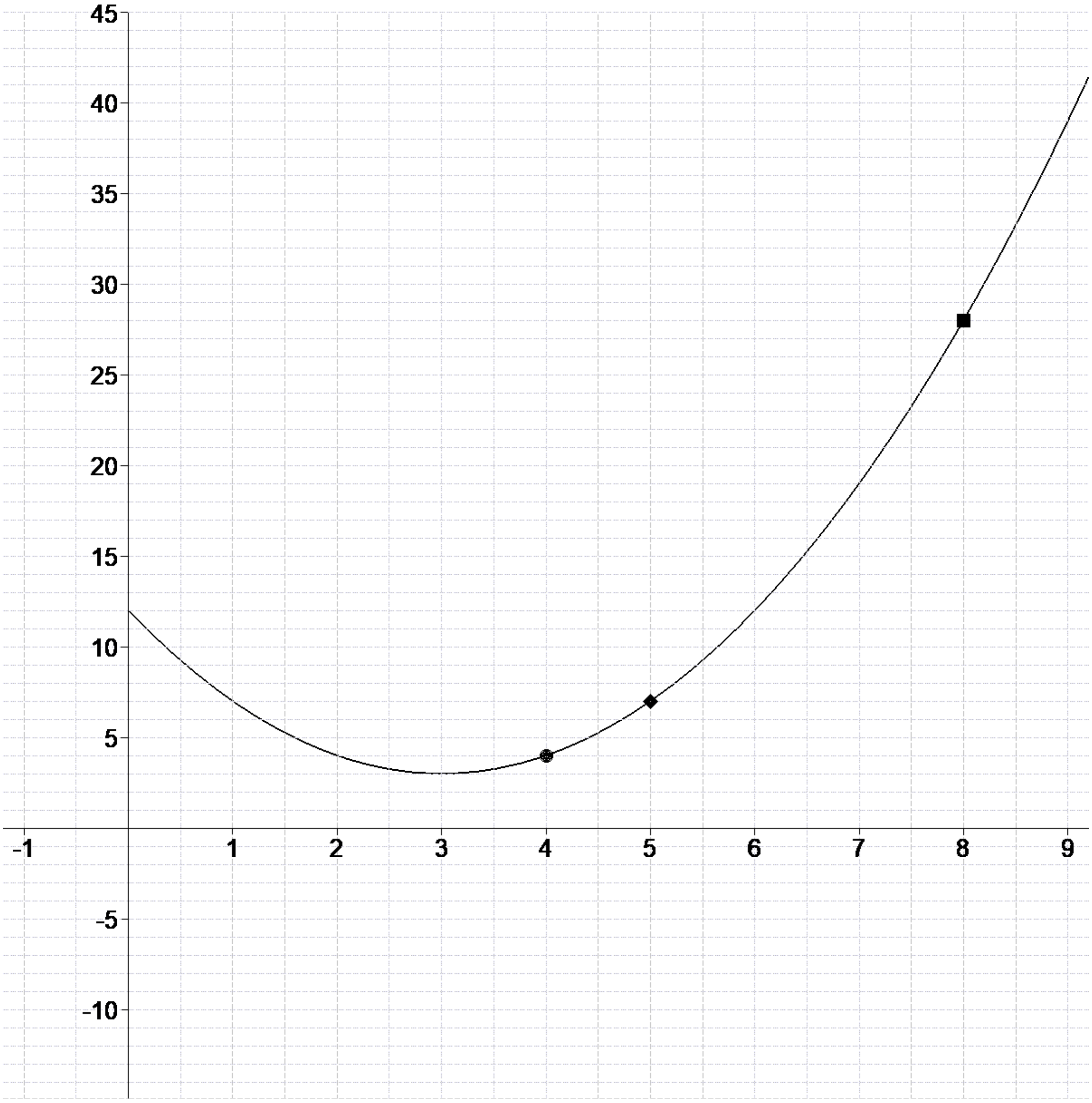
Diff01 for No.9763

$$No01 = \left(f(x) = \begin{bmatrix} 2x^2 + k & ; & x <= 4 \\ 5x + 17 & ; & x > 4 \end{bmatrix}\right), \quad , No02 = \left(f(x) = \begin{bmatrix} 5x + k & ; & x <= -3 \\ k x^2 - 31 & ; & x > -3 \end{bmatrix}\right)$$

$$No03 = \left(f(x) = \begin{bmatrix} 2x^2 + 5x + a & ; & x <= -4 \\ 28 + bx & ; & -4 < x < 2 \\ x^2 + 30 & ; & x >= 2 \end{bmatrix}\right), \quad , No04 = \left(f(x) = \begin{bmatrix} ax + 13 & ; & x < -4 \\ bx + a & ; & -4 <= x < 2 \\ 4x + b & ; & x >= 2 \end{bmatrix}\right)$$

$$No05 = [\, f(x) = (x-3)^2 + 3 \,]$$

$$No06 = \begin{bmatrix} f(x) = 7x^2 - 8 \\ a = 4 \\ b = 4.2 \\ c = 4.1 \\ d = 4.01 \end{bmatrix}, \quad , No07 = \begin{bmatrix} a = 5 \\ b = 4 \end{bmatrix}, \quad , No08 = \begin{bmatrix} a = 7 \\ b = 4 \end{bmatrix}, \quad , No08 = \begin{bmatrix} a = 6 \\ b = 4 \end{bmatrix}$$



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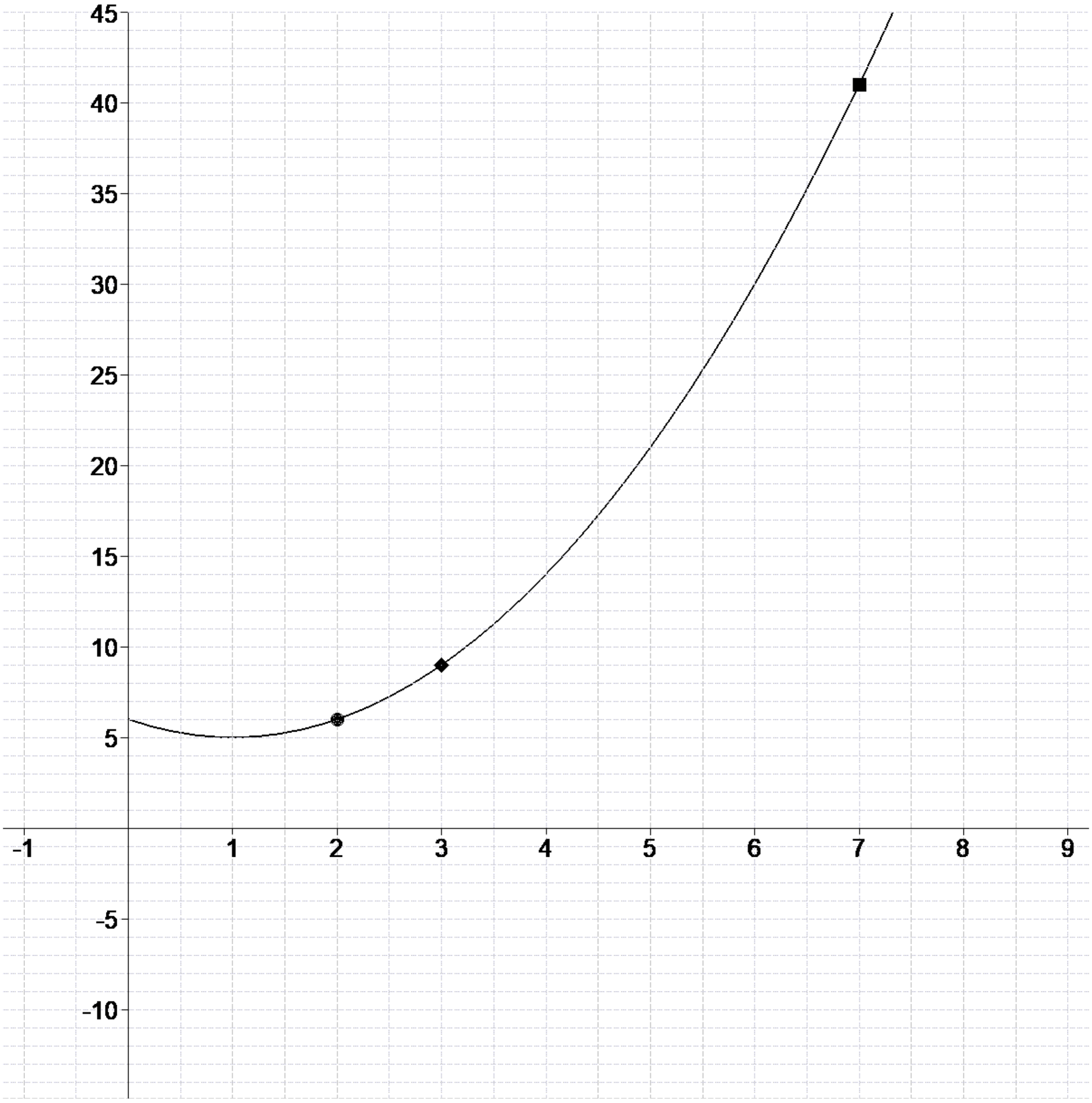
Diff01 for No.9877

$$No01 = \left(f(x) = \begin{bmatrix} 3x^2 + k & ; & x <= 4 \\ 8x + 11 & ; & x > 4 \end{bmatrix} \right), \quad No02 = \left(f(x) = \begin{bmatrix} 4x^2 + k & ; & x <= -2 \\ kx + 25 & ; & x > -2 \end{bmatrix} \right)$$

$$No03 = \left(f(x) = \begin{bmatrix} x^2 + x + a & ; & x <= -2 \\ bx^2 - 11 & ; & -2 < x < 4 \\ 5 + 4x & ; & x >= 4 \end{bmatrix} \right), \quad No04 = \left(f(x) = \begin{bmatrix} bx + 22 & ; & x < -3 \\ ax + b & ; & -3 <= x < 5 \\ 3x + a & ; & x >= 5 \end{bmatrix} \right)$$

$$No05 = [\, f(x) = (x-1)^2 + 5 \,]$$

$$No06 = \begin{bmatrix} f(x) = 4x^2 + 7 \\ a = 3 \\ b = 3.2 \\ c = 3.1 \\ d = 3.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 6 \\ b = 7 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 5 \\ b = 7 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 3 \\ b = 4 \end{bmatrix}$$



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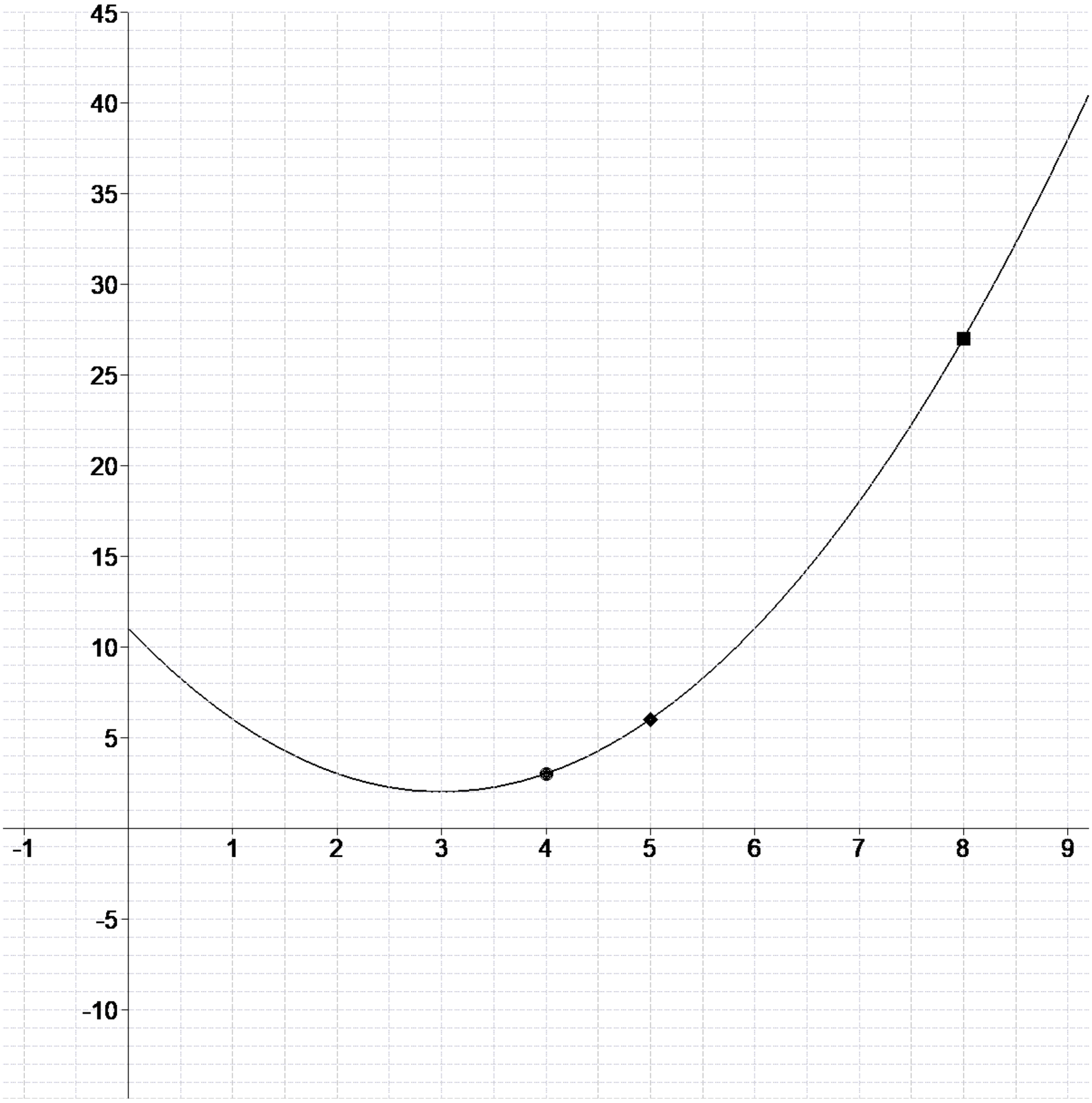
Diff01 for No.9911

$$No01 = \left(f(x) = \begin{bmatrix} 4x + 10 & ; & x < 3 \\ k x^2 - 5 & ; & x >= 3 \end{bmatrix} \right), \quad , No02 = \left(f(x) = \begin{bmatrix} 7x + k & ; & x < -4 \\ k x^2 - 58 & ; & x >= -4 \end{bmatrix} \right)$$

$$No03 = \left(f(x) = \begin{bmatrix} b x^2 - 1 & ; & x < -4 \\ 47 + 4x & ; & -4 <= x <= 2 \\ 3x^2 + a x + 53 & ; & x > 2 \end{bmatrix} \right), \quad , No04 = \left(f(x) = \begin{bmatrix} a x + 18 & ; & x <= -2 \\ b x + a & ; & -2 < x < 5 \\ 4x + b & ; & x >= 5 \end{bmatrix} \right)$$

$$No05 = [f(x) = (x-3)^2 + 2]$$

$$No06 = \begin{bmatrix} f(x) = 5x^2 - 2 \\ a = 2 \\ b = 2.2 \\ c = 2.1 \\ d = 2.01 \end{bmatrix}, \quad , No07 = \begin{bmatrix} a = 3 \\ b = 2 \end{bmatrix}, \quad , No08 = \begin{bmatrix} a = 2 \\ b = 6 \end{bmatrix}, \quad , No08 = \begin{bmatrix} a = 8 \\ b = 2 \end{bmatrix}$$



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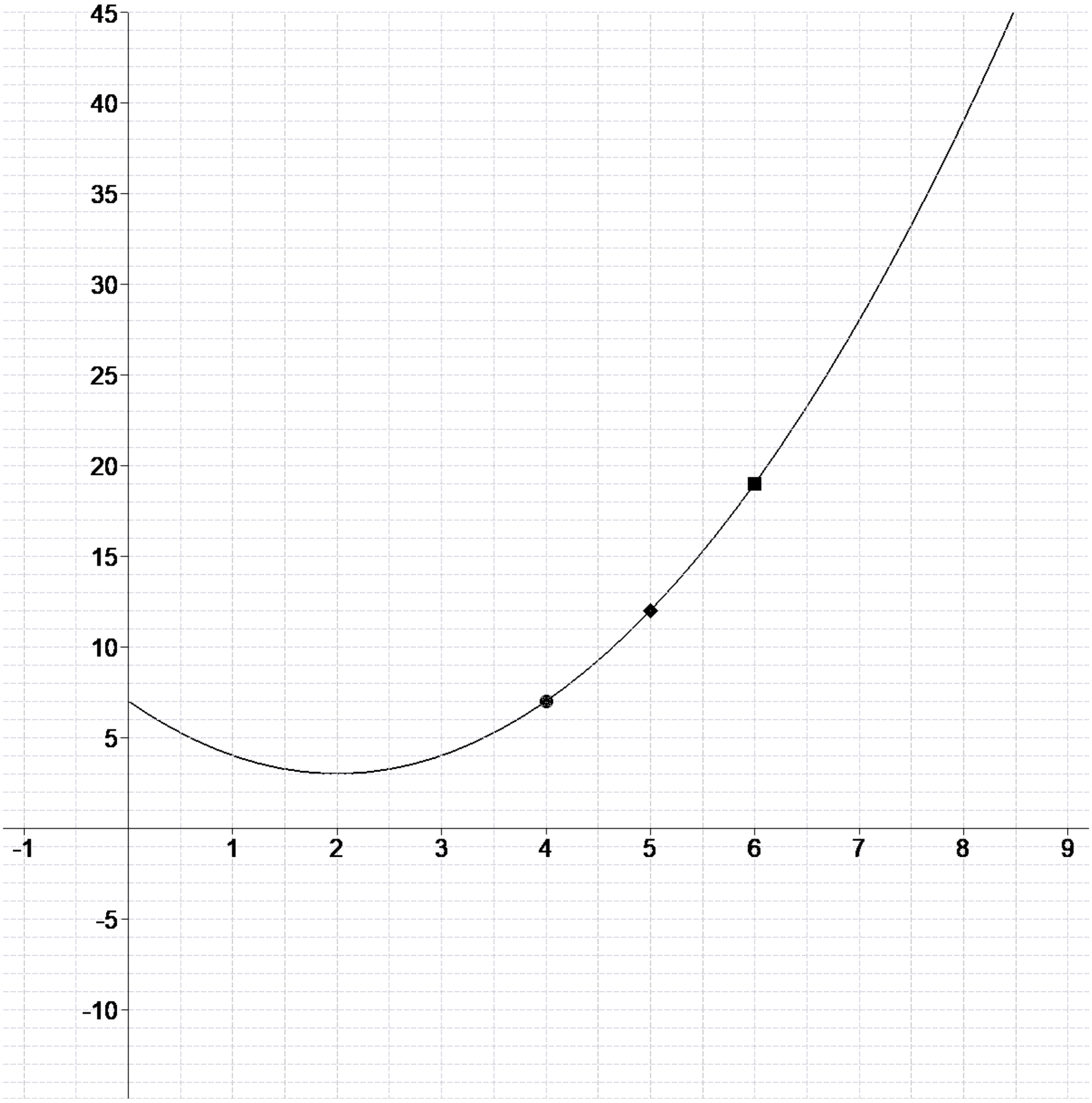
Diff01 for No.10027

$$No01 = \left(f(x) = \begin{bmatrix} 2x+58 & ; & x < 4 \\ 4x^2+k & ; & x >= 4 \end{bmatrix} \right), \quad No02 = \left(f(x) = \begin{bmatrix} 4x^2+k & ; & x <= -4 \\ kx+89 & ; & x > -4 \end{bmatrix} \right)$$

$$No03 = \left(f(x) = \begin{bmatrix} bx^2-4 & ; & x < -3 \\ 8+x & ; & -3 <= x <= 4 \\ 3x^2+3x+a & ; & x > 4 \end{bmatrix} \right), \quad No04 = \left(f(x) = \begin{bmatrix} ax+15 & ; & x < -3 \\ bx+a & ; & -3 <= x <= 3 \\ 4x+b & ; & x > 3 \end{bmatrix} \right)$$

$$No05 = [\, f(x) = (x-2)^2 + 3 \,]$$

$$No06 = \begin{bmatrix} f(x) = 7x^2 - 4 \\ a = 4 \\ b = 4.2 \\ c = 4.1 \\ d = 4.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 3 \\ b = 7 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 6 \\ b = 3 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 4 \\ b = 2 \end{bmatrix}$$



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