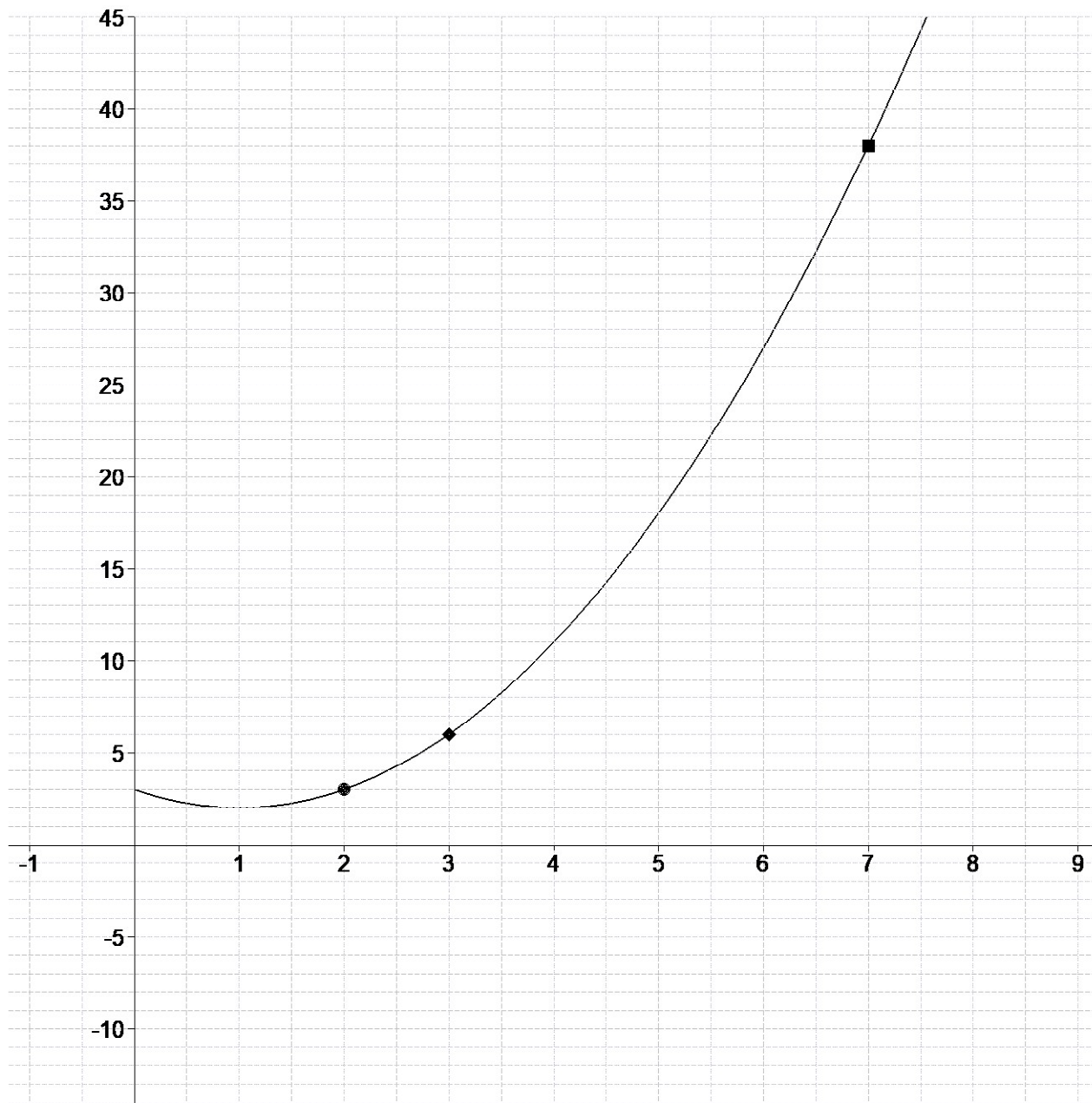


[illegible]

$$\begin{aligned} No01 &= \left(f(x) = \begin{bmatrix} 6x+k & ; & x \leq 4 \\ 4x^2+5 & ; & x > 4 \end{bmatrix} \right), & No02 &= \left(f(x) = \begin{bmatrix} kx+94 & ; & x \leq -4 \\ 4x^2+k & ; & x > -4 \end{bmatrix} \right) \\ No03 &= \left(f(x) = \begin{bmatrix} ax^2-2 & ; & x \leq -4 \\ 70+6x & ; & -4 < x \leq 2 \\ 2x^2+3x+b & ; & x > 2 \end{bmatrix} \right), & No04 &= \left(f(x) = \begin{bmatrix} ax+16 & ; & x < -4 \\ bx+a & ; & -4 \leq x \leq 2 \\ 7x+b & ; & x > 2 \end{bmatrix} \right) \end{aligned}$$

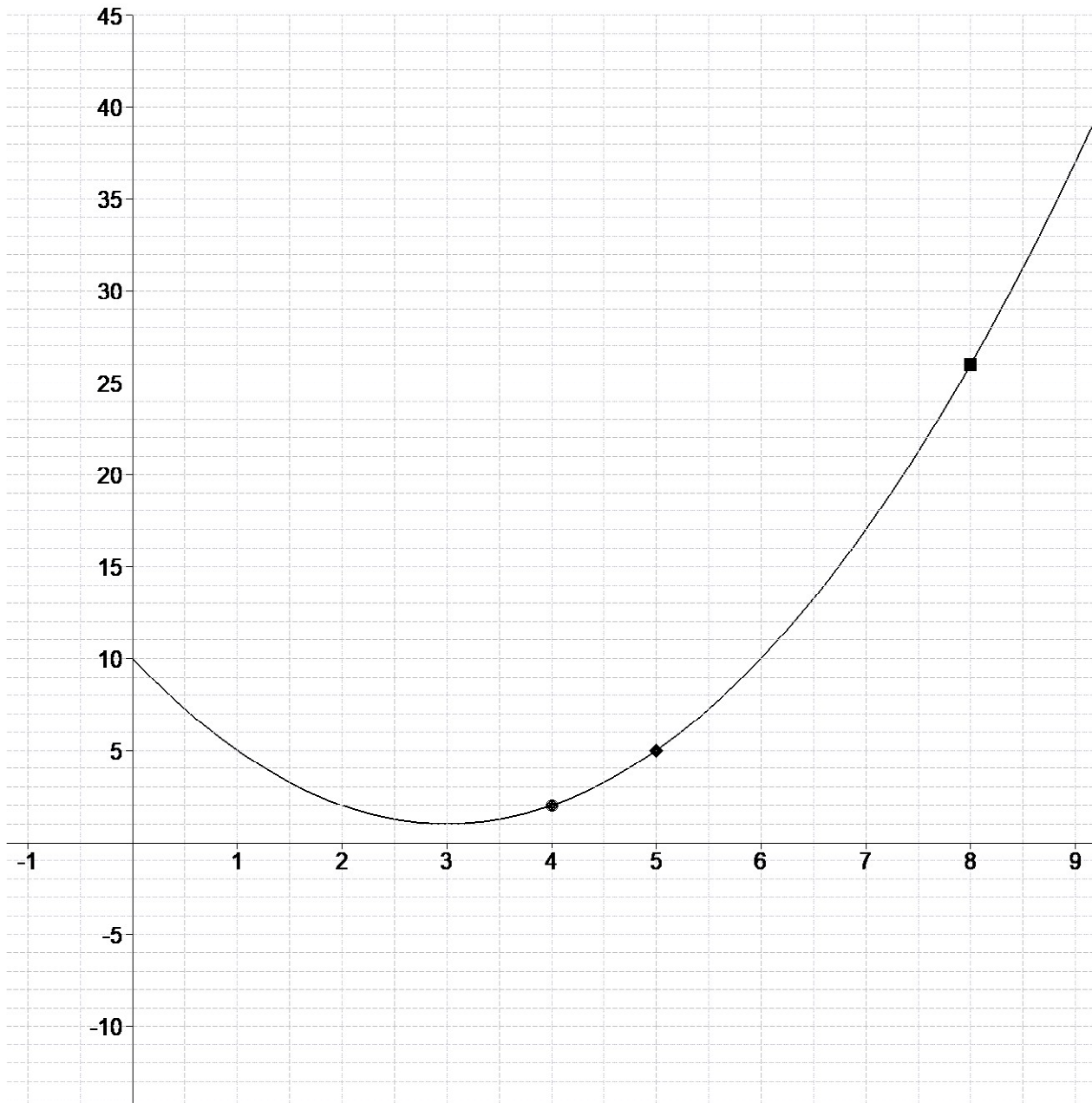
$$No05 = [f(x) = (x - 1)^2 + 2]$$

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

[illegible]
$$\vdots$$

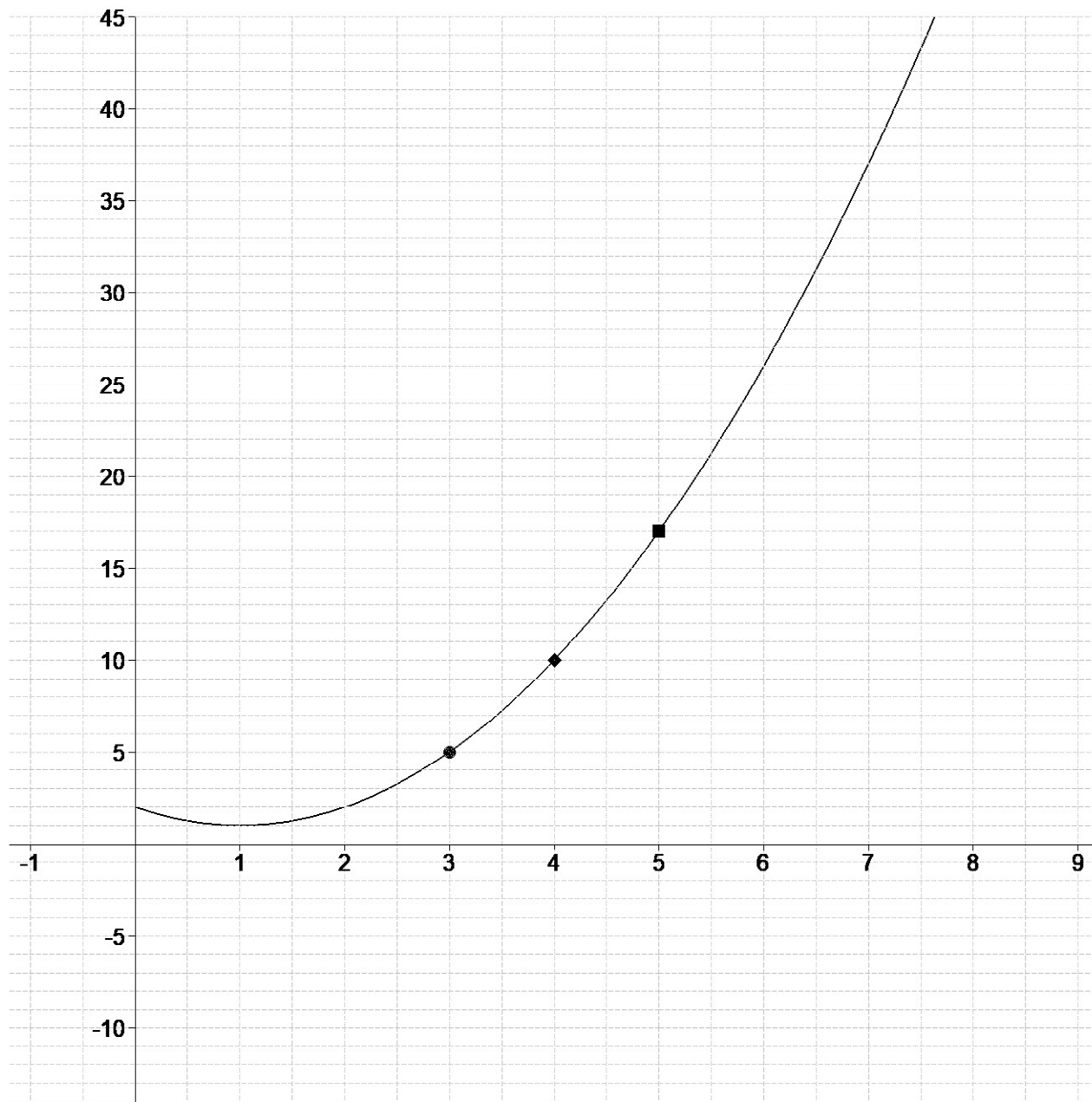
[illegible]

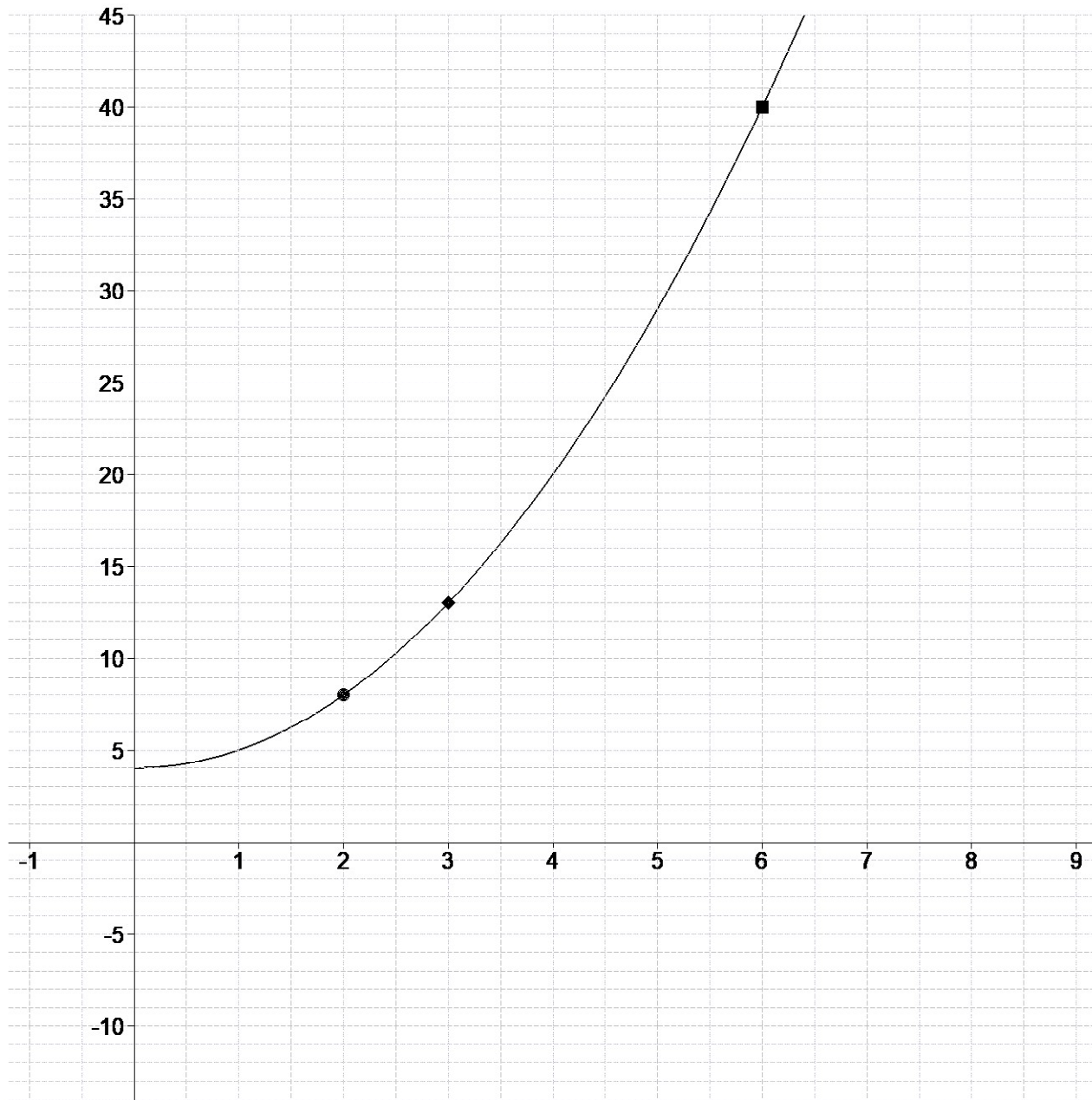
$$\begin{aligned}
 No01 &= \left(f(x) = \begin{bmatrix} kx + 18 & ; & x < 3 \\ 3x^2 + 6 & ; & x > 3 \end{bmatrix} \right), \quad No02 = \left(f(x) = \begin{bmatrix} 5x + k & ; & x \leq -4 \\ kx^2 - 65 & ; & x > -4 \end{bmatrix} \right) \\
 No03 &= \left(f(x) = \begin{bmatrix} -1 + 2x & ; & x < -3 \\ ax^2 + 3x - 25 & ; & -3 \leq x < 4 \\ x^2 + b & ; & x \geq 4 \end{bmatrix} \right), \quad No04 = \left(f(x) = \begin{bmatrix} ax + 18 & ; & x < -4 \\ bx + a & ; & -4 \leq x < 3 \\ 4x + b & ; & x \geq 3 \end{bmatrix} \right) \\
 No05 &= [f(x) = (x - 3)^2 + 1] \\
 No06 &= \begin{bmatrix} f(x) = 3x^2 + 5 \\ a = 4 \\ b = 4.2 \\ c = 4.1 \\ d = 4.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 2 \\ b = 3 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 8 \\ b = 6 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 3 \\ b = 8 \end{bmatrix}
 \end{aligned}$$

[illegible]

⋮

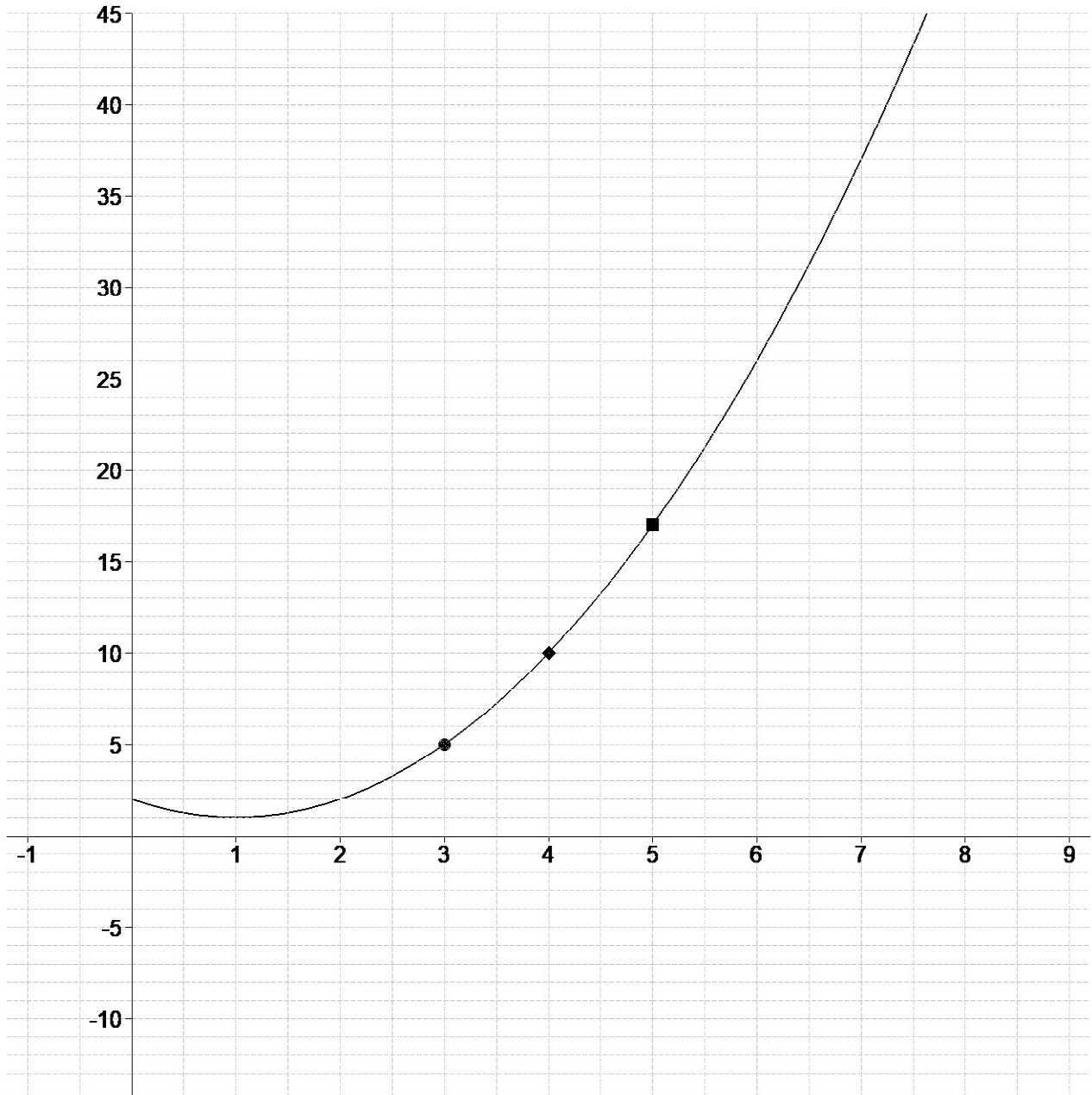
$$\begin{aligned}
 No01 &= \left(f(x) = \begin{cases} 3x^2 - 5 & ; \quad x \leq 2 \\ 6x + k & ; \quad x > 2 \end{cases} \right), \quad No02 = \left(f(x) = \begin{cases} 2x^2 + k & ; \quad x \leq -4 \\ kx + 52 & ; \quad x > -4 \end{cases} \right) \\
 No03 &= \left(f(x) = \begin{cases} 1 + ax & ; \quad x < -3 \\ 2x^2 + 6x - 5 & ; \quad -3 \leq x \leq 4 \\ x^2 + b & ; \quad x > 4 \end{cases} \right), \quad No04 = \left(f(x) = \begin{cases} bx + 9 & ; \quad x \leq -2 \\ ax + b & ; \quad -2 < x \leq 2 \\ 4x + a & ; \quad x > 2 \end{cases} \right) \\
 No05 &= [f(x) = (x - 1)^2 + 1] \\
 No06 &= \begin{bmatrix} f(x) = 5x^2 + 2 \\ a = 3 \\ b = 3.2 \\ c = 3.1 \\ d = 3.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 4 \\ b = 2 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 6 \\ b = 3 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 7 \\ b = 3 \end{bmatrix}
 \end{aligned}$$



$$\begin{aligned}
No01 &= \left(f(x) = \begin{bmatrix} 3x+46 & ; & x < 4 \\ 4x^2+k & ; & x \geq 4 \end{bmatrix} \right), \quad No02 = \left(f(x) = \begin{bmatrix} kx^2-36 & ; & x < -3 \\ 4x+k & ; & x \geq -3 \end{bmatrix} \right) \\
No03 &= \left(f(x) = \begin{bmatrix} x^2+a & ; & x \leq -4 \\ 25+3x & ; & -4 < x < 2 \\ bx^2+4x+11 & ; & x \geq 2 \end{bmatrix} \right), \quad No04 = \left(f(x) = \begin{bmatrix} bx+11 & ; & x \leq -2 \\ ax+b & ; & -2 < x < 2 \\ 6x+a & ; & x \geq 2 \end{bmatrix} \right) \\
No05 &= [f(x) = x^2 + 4] \\
No06 &= \begin{bmatrix} f(x) = 3x^2 + 7 \\ a = 2 \\ b = 2.2 \\ c = 2.1 \\ d = 2.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 2 \\ b = 3 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 5 \\ b = 6 \end{bmatrix}, \quad No09 = \begin{bmatrix} a = 7 \\ b = 3 \end{bmatrix}
\end{aligned}$$
[illegible]

[illegible]

$$\begin{aligned}
No01 &= \left(f(x) = \begin{bmatrix} 4x^2 + k & ; & x < 2 \\ 2x + 19 & ; & x \geq 2 \end{bmatrix} \right), \quad No02 = \left(f(x) = \begin{bmatrix} 8x + k & ; & x < -3 \\ kx^2 - 72 & ; & x \geq -3 \end{bmatrix} \right) \\
No03 &= \left(f(x) = \begin{bmatrix} 4 + 7x & ; & x < -3 \\ bx^2 - x - 29 & ; & -3 \leq x \leq 4 \\ 2x^2 + a & ; & x > 4 \end{bmatrix} \right), \quad No04 = \left(f(x) = \begin{bmatrix} ax + 18 & ; & x \leq -4 \\ bx + a & ; & -4 < x \leq 3 \\ 4x + b & ; & x > 3 \end{bmatrix} \right) \\
No05 &= [f(x) = (x - 1)^2 + 1] \\
No06 &= \begin{bmatrix} f(x) = 7x^2 + 4 \\ a = 2 \\ b = 2.2 \\ c = 2.1 \\ d = 2.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 3 \\ b = 5 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 7 \\ b = 3 \end{bmatrix}, \quad No09 = \begin{bmatrix} a = 3 \\ b = 6 \end{bmatrix}
\end{aligned}$$

[illegible]

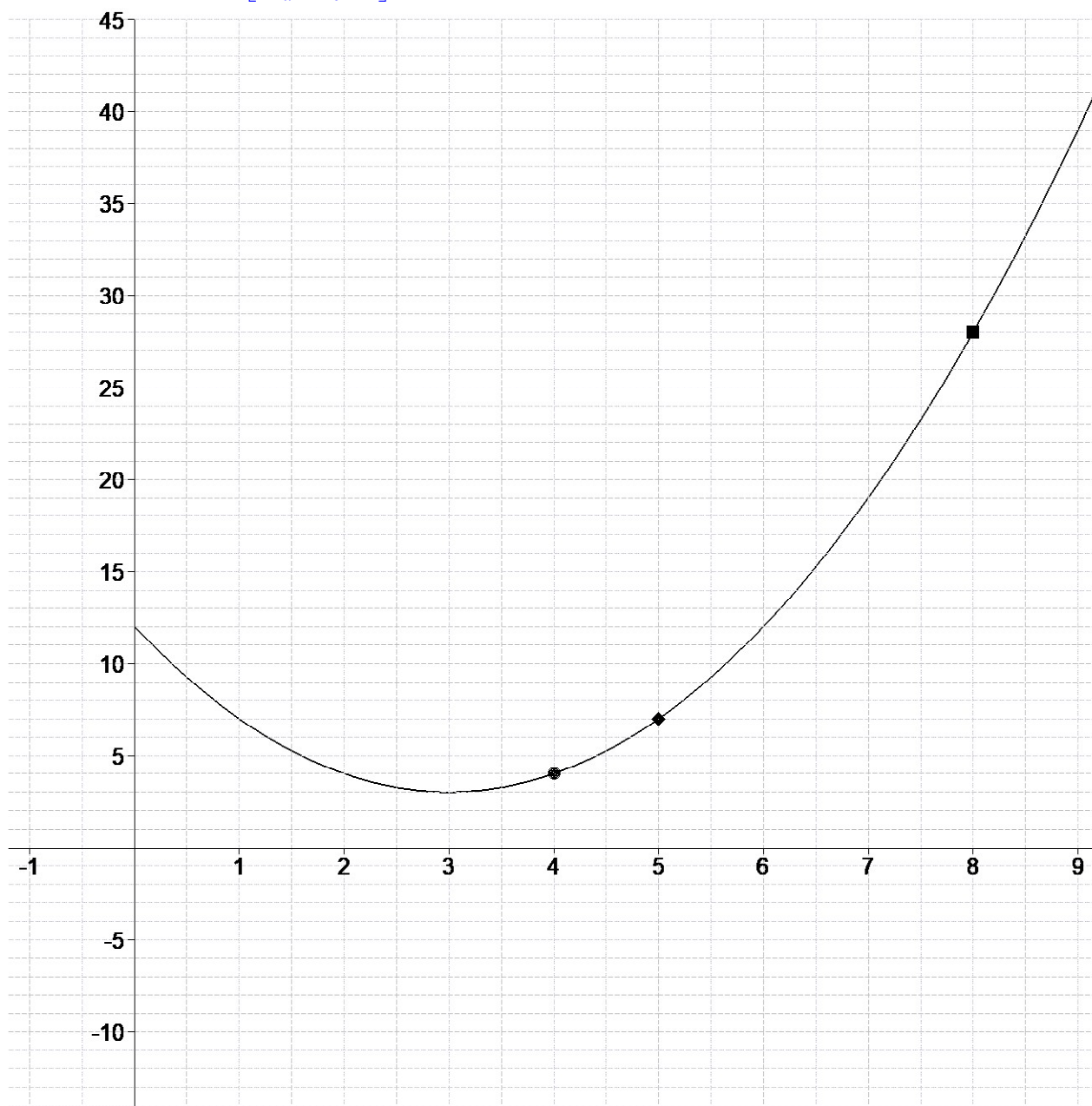
⋮

[illegible]

$$\begin{aligned} No01 &= \left(f(x) = \begin{bmatrix} 8x+3 & ; & x \leq 2 \\ 4x^2+k & ; & x > 2 \end{bmatrix} \right), & No02 &= \left(f(x) = \begin{bmatrix} kx^2-88 & ; & x \leq -4 \\ 7x+k & ; & x > -4 \end{bmatrix} \right) \\ No03 &= \left(f(x) = \begin{bmatrix} ax^2+5 & ; & x < -3 \\ 35+7x & ; & -3 \leq x < 4 \\ 2x^2-5x+b & ; & x \geq 4 \end{bmatrix} \right), & No04 &= \left(f(x) = \begin{bmatrix} ax+18 & ; & x < -2 \\ bx+a & ; & -2 \leq x < 5 \\ 4x+b & ; & x \geq 5 \end{bmatrix} \right) \end{aligned}$$

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

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

[illegible]

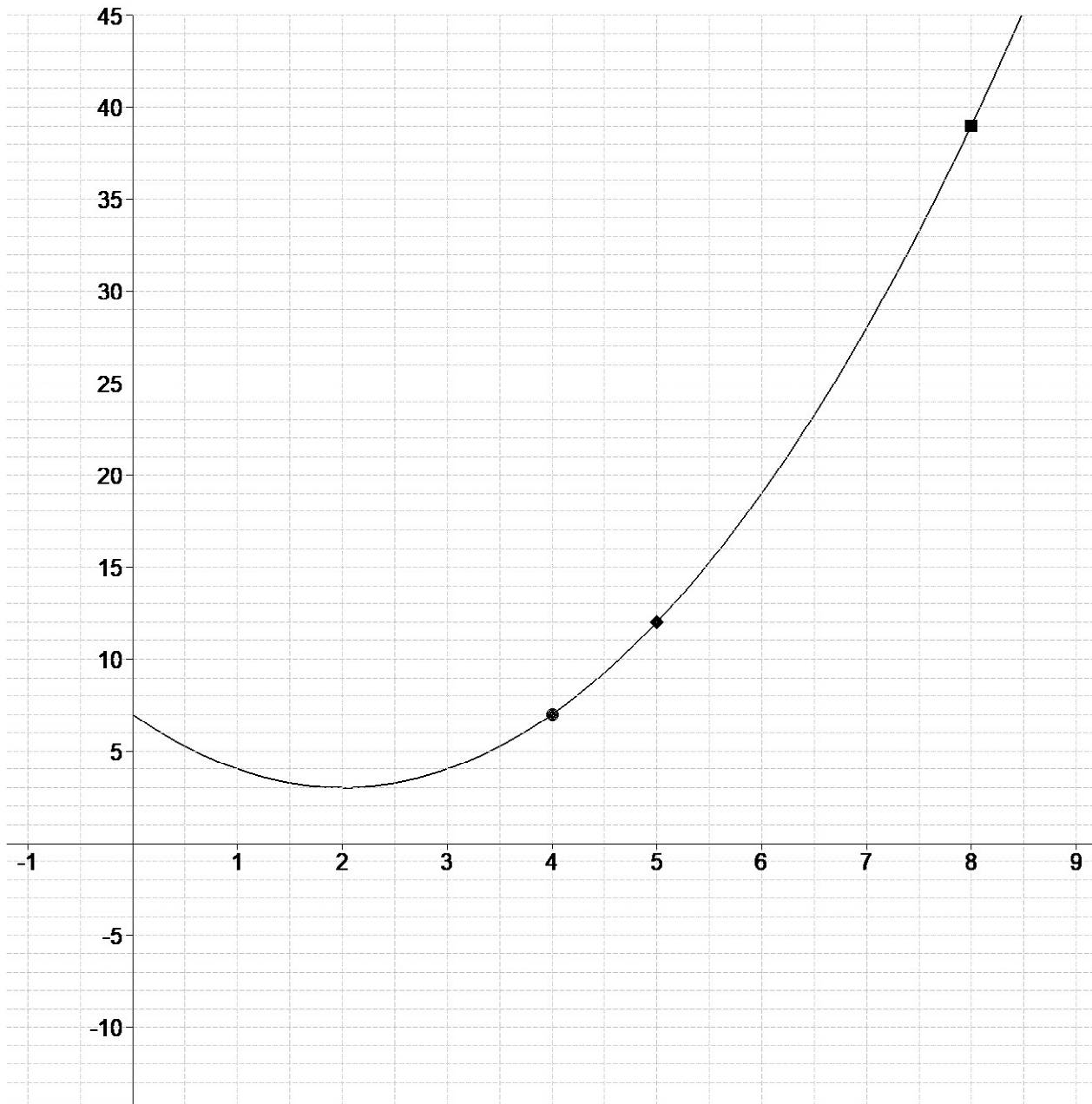
.....

[illegible]

$$\begin{aligned} No01 &= \left(f(x) = \begin{bmatrix} 3x^2 + 6 & ; & x < 3 \\ 8x + k & ; & x \geq 3 \end{bmatrix} \right), \quad No02 = \left(f(x) = \begin{bmatrix} 6x + k & ; & x \leq -2 \\ kx^2 - 18 & ; & x > -2 \end{bmatrix} \right) \\ No03 &= \left(f(x) = \begin{bmatrix} x^2 + 3x + a & ; & x \leq -3 \\ 2 + bx & ; & -3 < x \leq 2 \\ 3x^2 - 6 & ; & x > 2 \end{bmatrix} \right), \quad No04 = \left(f(x) = \begin{bmatrix} ax + 18 & ; & x \leq -3 \\ bx + a & ; & -3 < x < 4 \\ 3x + b & ; & x \geq 4 \end{bmatrix} \right) \end{aligned}$$

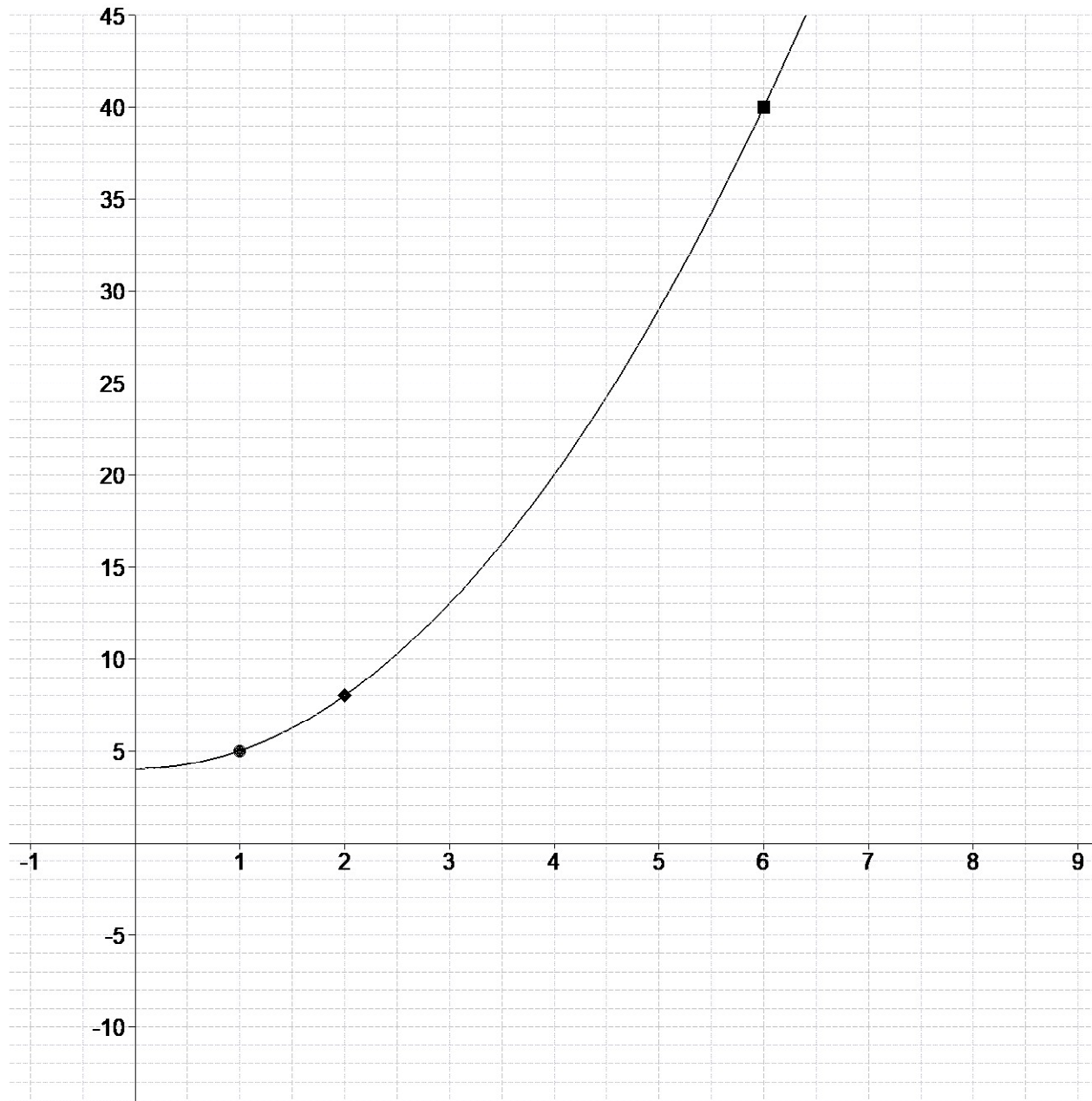
No05 = [f(x) = (x - 2)² + 3]

$$No06 = \begin{bmatrix} f(x) = 4x^2 - 5 \\ a = 2 \\ b = 2.2 \\ c = 2.1 \\ d = 2.01 \end{bmatrix}, \quad , No07 = \begin{bmatrix} a = 8 \\ b = 2 \end{bmatrix}, \quad , No08 = \begin{bmatrix} a = 6 \\ b = 5 \end{bmatrix}, \quad , No08 = \begin{bmatrix} a = 6 \\ b = 3 \end{bmatrix}$$

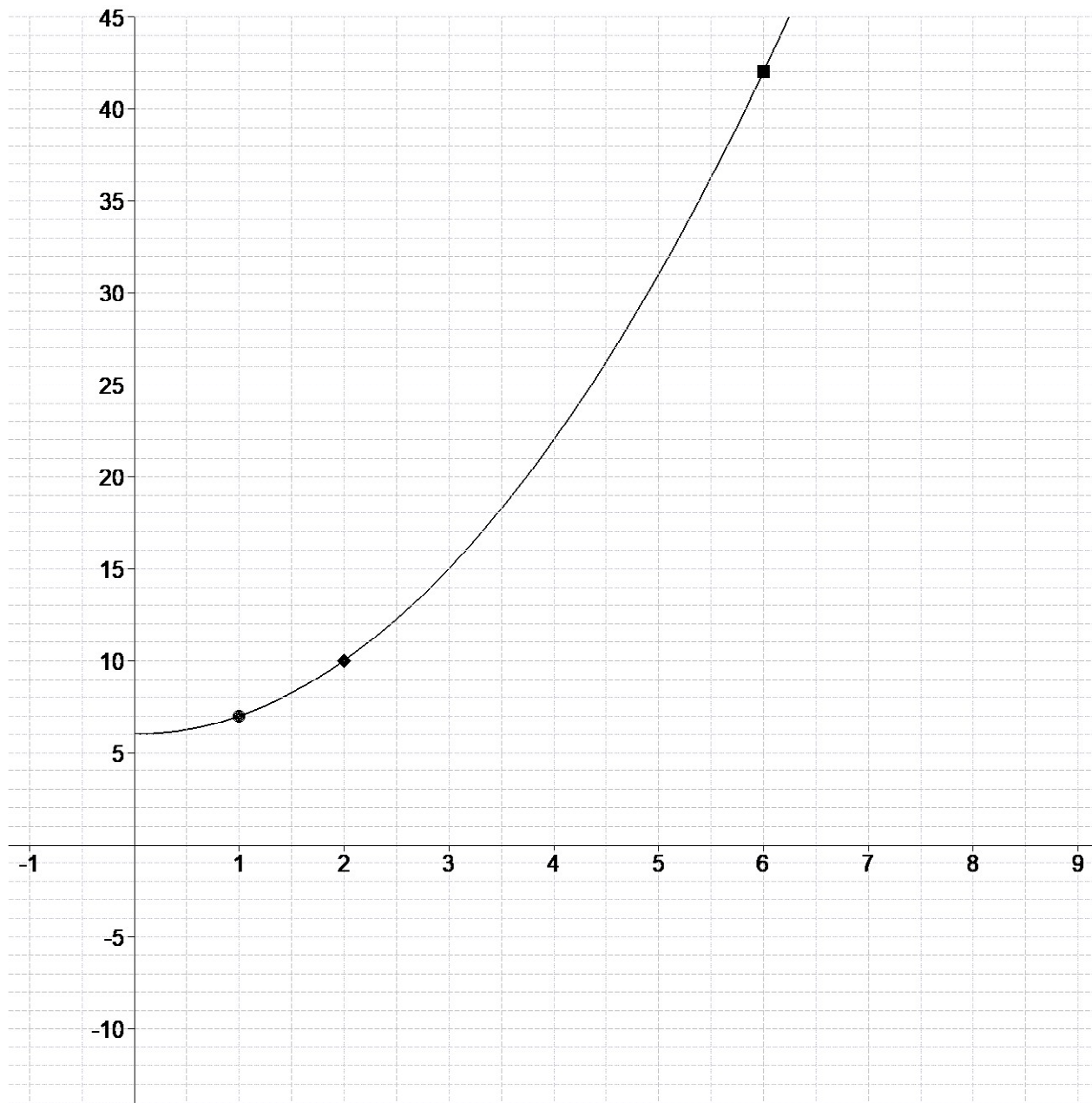
[illegible]

⋮

$$\begin{aligned}
 No01 &= \left(f(x) = \begin{bmatrix} 2x^2 + 4 & ; & x < 4 \\ 7x + k & ; & x \geq 4 \end{bmatrix} \right), \quad No02 = \left(f(x) = \begin{bmatrix} 5x + k & ; & x < -3 \\ kx^2 - 47 & ; & x \geq -3 \end{bmatrix} \right) \\
 No03 &= \left(f(x) = \begin{bmatrix} x^2 + 7x + b & ; & x < -2 \\ 3x^2 - 26 & ; & -2 \leq x \leq 3 \\ -8 + ax & ; & x > 3 \end{bmatrix} \right), \quad No04 = \left(f(x) = \begin{bmatrix} ax + 26 & ; & x < -3 \\ bx + a & ; & -3 \leq x \leq 6 \\ 3x + b & ; & x > 6 \end{bmatrix} \right) \\
 No05 &= [f(x) = x^2 + 4] \\
 No06 &= \begin{bmatrix} f(x) = 3x^2 - 8 \\ a = 2 \\ b = 2.2 \\ c = 2.1 \\ d = 2.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 2 \\ b = 5 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 4 \\ b = 7 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 3 \\ b = 4 \end{bmatrix}
 \end{aligned}$$

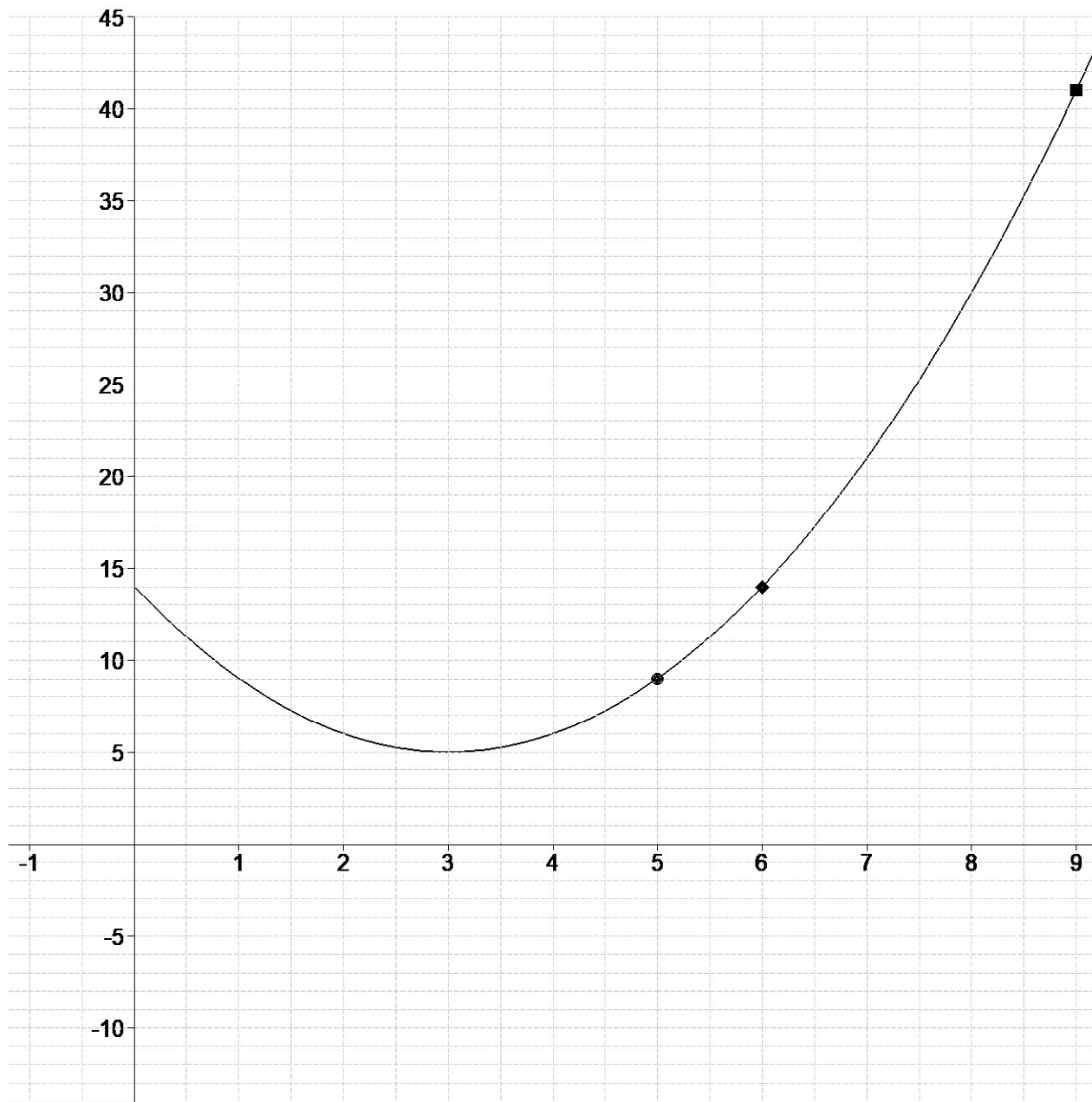


$$\begin{aligned}
 No01 &= \left(f(x) = \begin{cases} 6x + 12 & ; \quad x \leq 3 \\ kx^2 - 6 & ; \quad x > 3 \end{cases} \right), \quad No02 = \left(f(x) = \begin{cases} 3x + k & ; \quad x \leq -4 \\ kx^2 - 87 & ; \quad x > -4 \end{cases} \right) \\
 No03 &= \left(f(x) = \begin{cases} 2x^2 + 3x - 5 & ; \quad x < -4 \\ ax^2 - 33 & ; \quad -4 \leq x < 2 \\ 7x + b & ; \quad x \geq 2 \end{cases} \right), \quad No04 = \left(f(x) = \begin{cases} bx + 15 & ; \quad x \leq -3 \\ ax + b & ; \quad -3 < x < 3 \\ 4x + a & ; \quad x \geq 3 \end{cases} \right) \\
 No05 &= [f(x) = x^2 + 6] \\
 No06 &= \begin{bmatrix} f(x) = 8x^2 + 7 \\ a = 4 \\ b = 4.2 \\ c = 4.1 \\ d = 4.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 6 \\ b = 8 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 7 \\ b = 5 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 5 \\ b = 2 \end{bmatrix}
 \end{aligned}$$



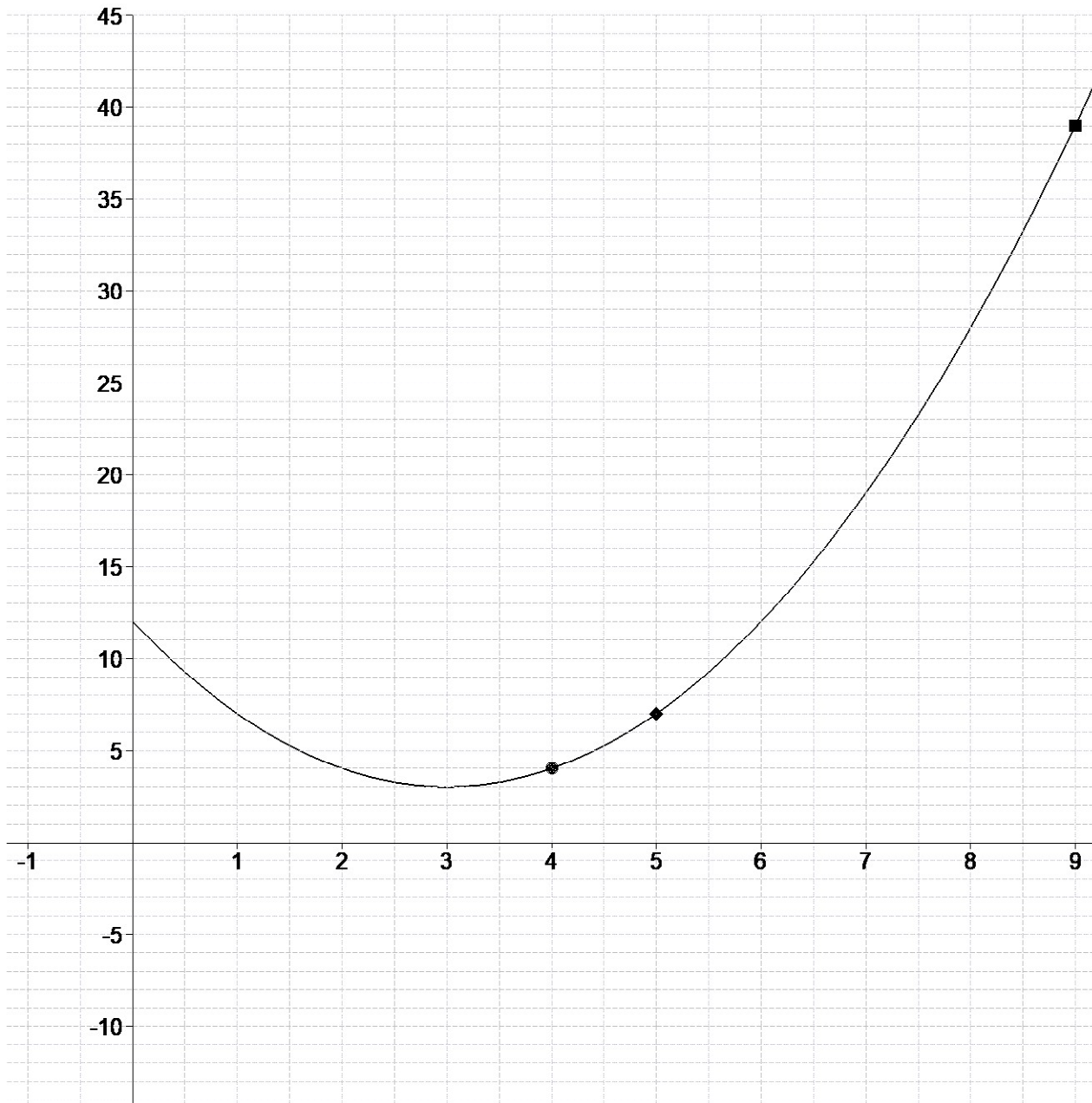
$$\begin{aligned}
 No01 &= \left(f(x) = \begin{bmatrix} 3x^2 + k & ; & x \leq 2 \\ 5x + 8 & ; & x > 2 \end{bmatrix} \right), \quad No02 = \left(f(x) = \begin{bmatrix} 8x + k & ; & x < -2 \\ kx^2 - 28 & ; & x \geq -2 \end{bmatrix} \right) \\
 No03 &= \left(f(x) = \begin{bmatrix} 4x + a & ; & x \leq -4 \\ 2x^2 - 7x - 72 & ; & -4 < x < 2 \\ bx^2 - 82 & ; & x \geq 2 \end{bmatrix} \right), \quad No04 = \left(f(x) = \begin{bmatrix} bx + 16 & ; & x \leq -2 \\ ax + b & ; & -2 < x < 4 \\ 5x + a & ; & x > 4 \end{bmatrix} \right) \\
 No05 &= [f(x) = (x - 3)^2 + 5]
 \end{aligned}$$

$$No06 = \begin{bmatrix} f(x) = 6x^2 + 7 \\ a = 4 \\ b = 4.2 \\ c = 4.1 \\ d = 4.0 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 3 \\ b = 8 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 7 \\ b = 8 \end{bmatrix}, \quad No09 = \begin{bmatrix} a = 4 \\ b = 6 \end{bmatrix}$$

[illegible]

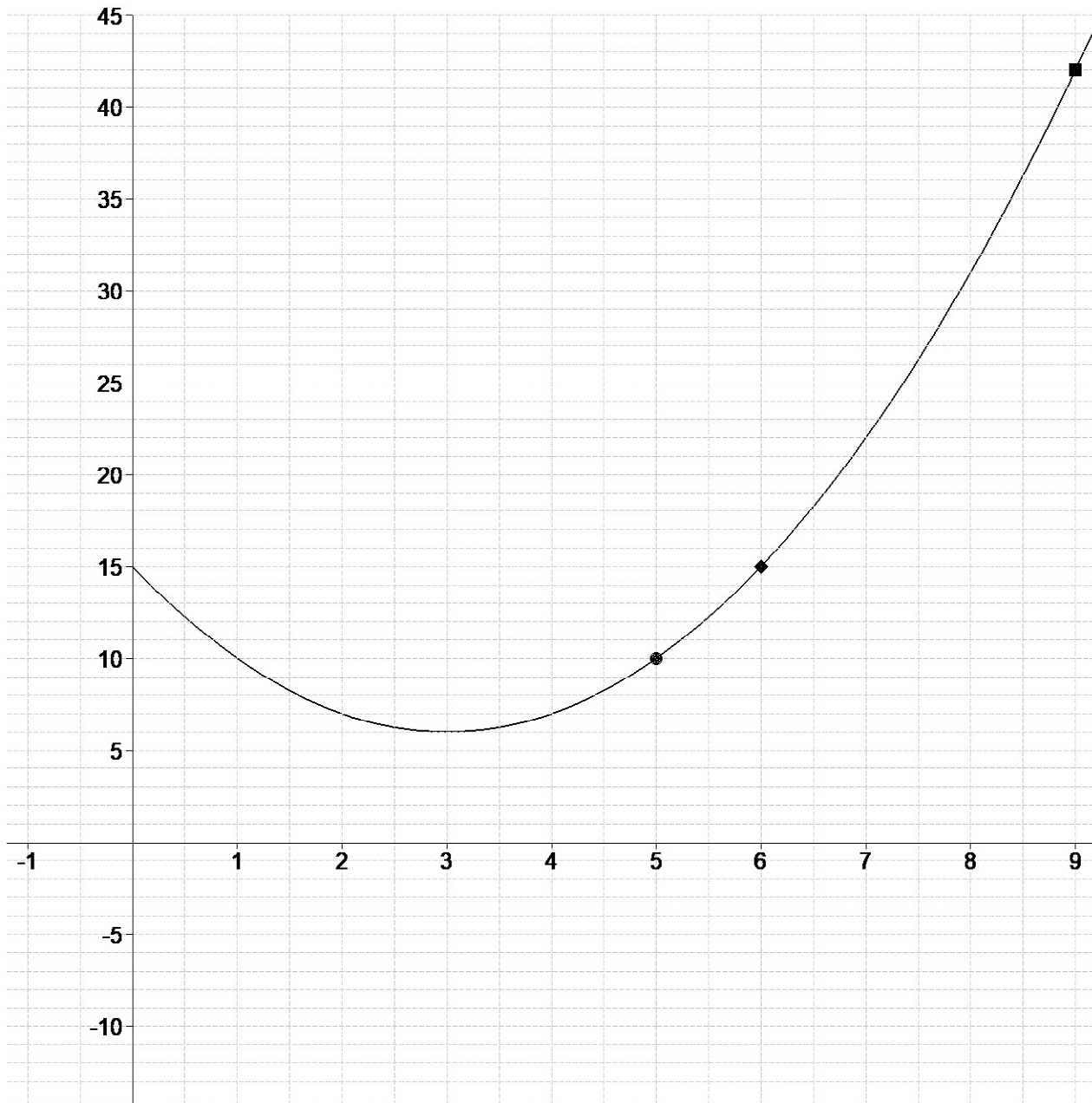
[illegible]

$$\begin{aligned}
No01 &= \left(f(x) = \begin{bmatrix} 8x+k & ; & x \leq 3 \\ 3x^2+5 & ; & x > 3 \end{bmatrix} \right), \quad No02 = \left(f(x) = \begin{bmatrix} 3x^2+k & ; & x < -4 \\ kx+58 & ; & x \geq -4 \end{bmatrix} \right) \\
No03 &= \left(f(x) = \begin{bmatrix} 3x^2-2 & ; & x \leq -3 \\ 2x^2+ax+28 & ; & -3 < x < 2 \\ 6x+b & ; & x \geq 2 \end{bmatrix} \right), \quad No04 = \left(f(x) = \begin{bmatrix} ax+20 & ; & x \leq -4 \\ bx+a & ; & -4 < x < 3 \\ 6x+b & ; & x > 3 \end{bmatrix} \right) \\
No05 &= [f(x) = (x-3)^2 + 3] \\
No06 &= \begin{bmatrix} f(x) = 4x^2 - 7 \\ a = 2 \\ b = 2.2 \\ c = 2.1 \\ d = 2.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 8 \\ b = 7 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 3 \\ b = 2 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 7 \\ b = 8 \end{bmatrix}
\end{aligned}$$

[illegible]
$$\vdots$$

[illegible]

$$\begin{aligned}
 No01 &= \left(f(x) = \begin{bmatrix} 3x + 23 & ; & x \leq 4 \\ 2x^2 + k & ; & x > 4 \end{bmatrix} \right), & No02 &= \left(f(x) = \begin{bmatrix} kx^2 - 72 & ; & x \leq -4 \\ 3x + k & ; & x > -4 \end{bmatrix} \right) \\
 No03 &= \left(f(x) = \begin{bmatrix} 3x^2 + 3x + b & ; & x < -2 \\ ax^2 + 6 & ; & -2 \leq x < 4 \\ 2 + 5x & ; & x \geq 4 \end{bmatrix} \right), & No04 &= \left(f(x) = \begin{bmatrix} ax + 18 & ; & x \leq -2 \\ bx + a & ; & -2 < x \leq 5 \\ 4x + b & ; & x > 5 \end{bmatrix} \right) \\
 No05 &= [f(x) = (x - 3)^2 + 6] \\
 No06 &= \begin{bmatrix} f(x) = 7x^2 + 5 \\ a = 2 \\ b = 2.2 \\ c = 2.1 \\ d = 2.01 \end{bmatrix}, & No07 &= \begin{bmatrix} a = 4 \\ b = 8 \end{bmatrix}, & No08 &= \begin{bmatrix} a = 6 \\ b = 8 \end{bmatrix}, & No08 &= \begin{bmatrix} a = 8 \\ b = 7 \end{bmatrix}
 \end{aligned}$$

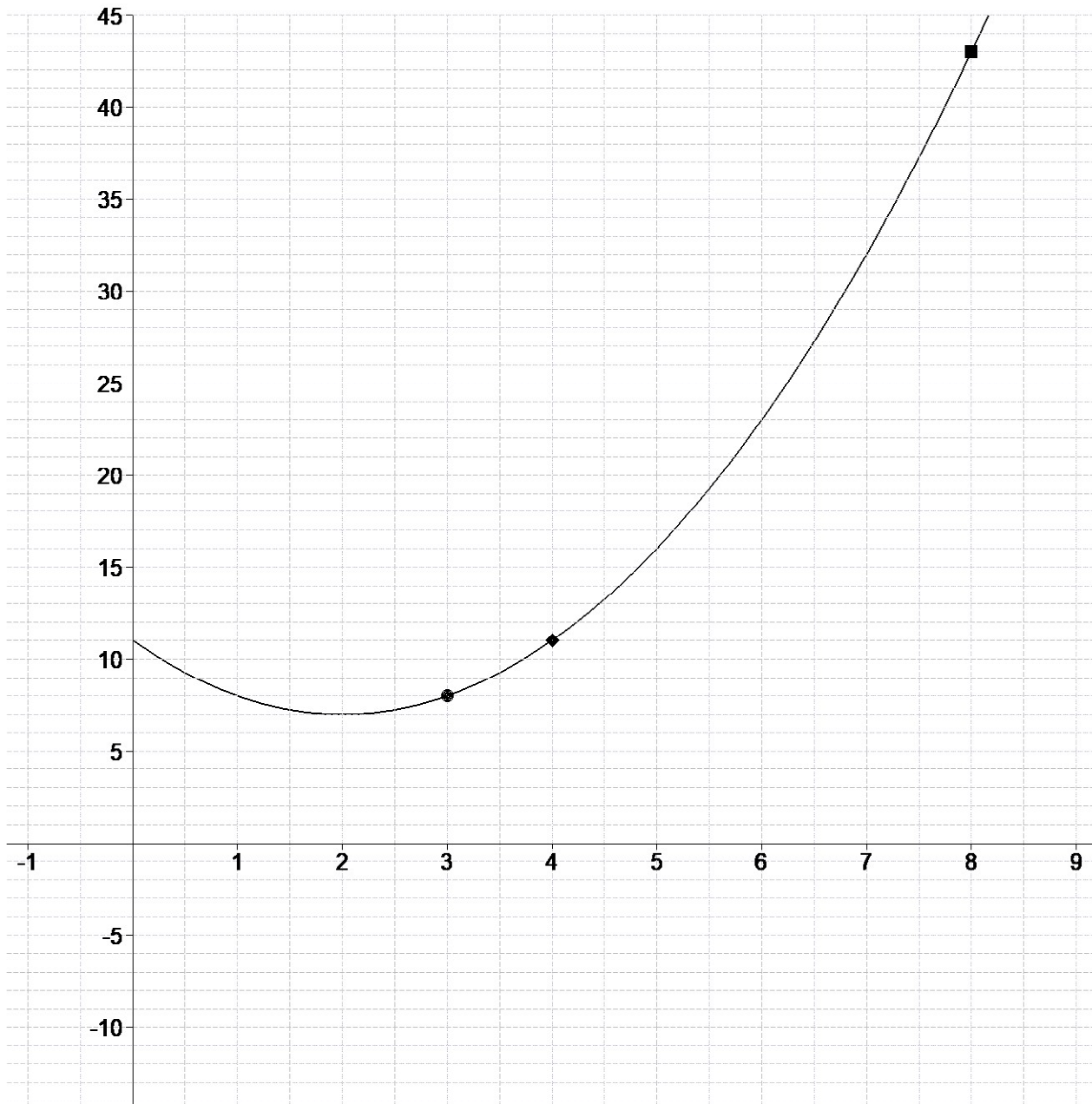


[illegible]

$$\begin{aligned} No01 &= \left(f(x) = \begin{bmatrix} kx + 15 & ; & x < 4 \\ 3x^2 - 5 & ; & x \geq 4 \end{bmatrix} \right), \quad No02 = \left(f(x) = \begin{bmatrix} kx + 60 & ; & x \leq -3 \\ 4x^2 + k & ; & x > -3 \end{bmatrix} \right) \\ No03 &= \left(f(x) = \begin{bmatrix} 3x^2 + bx - 4 & ; & x < -3 \\ 5x + a & ; & -3 \leq x \leq 2 \\ 2x^2 + 55 & ; & x > 2 \end{bmatrix} \right), \quad No04 = \left(f(x) = \begin{bmatrix} ax + 13 & ; & x < -3 \\ bx + a & ; & -3 \leq x \leq 2 \\ 6x + b & ; & x > 2 \end{bmatrix} \right) \end{aligned}$$

No05 = [f(x) = (x - 2)² + 7]

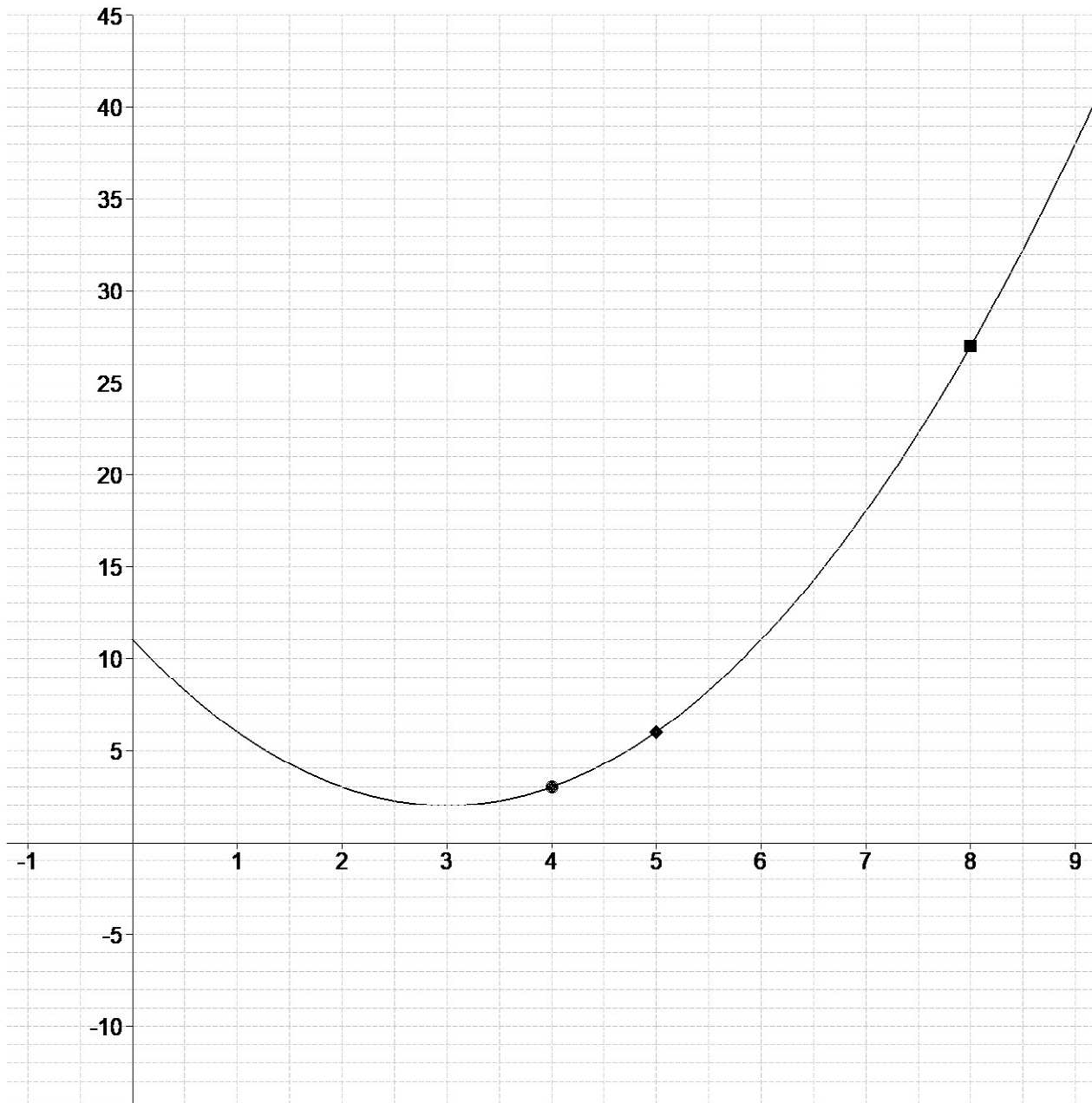
$$No06 = \begin{bmatrix} f(x) = 8x^2 + 7 \\ a = 4 \\ b = 4.2 \\ c = 4.1 \\ d = 4.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 3 \\ b = 5 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 6 \\ b = 8 \end{bmatrix}, \quad No09 = \begin{bmatrix} a = 4 \\ b = 3 \end{bmatrix}$$

[illegible]

⋮

[illegible]

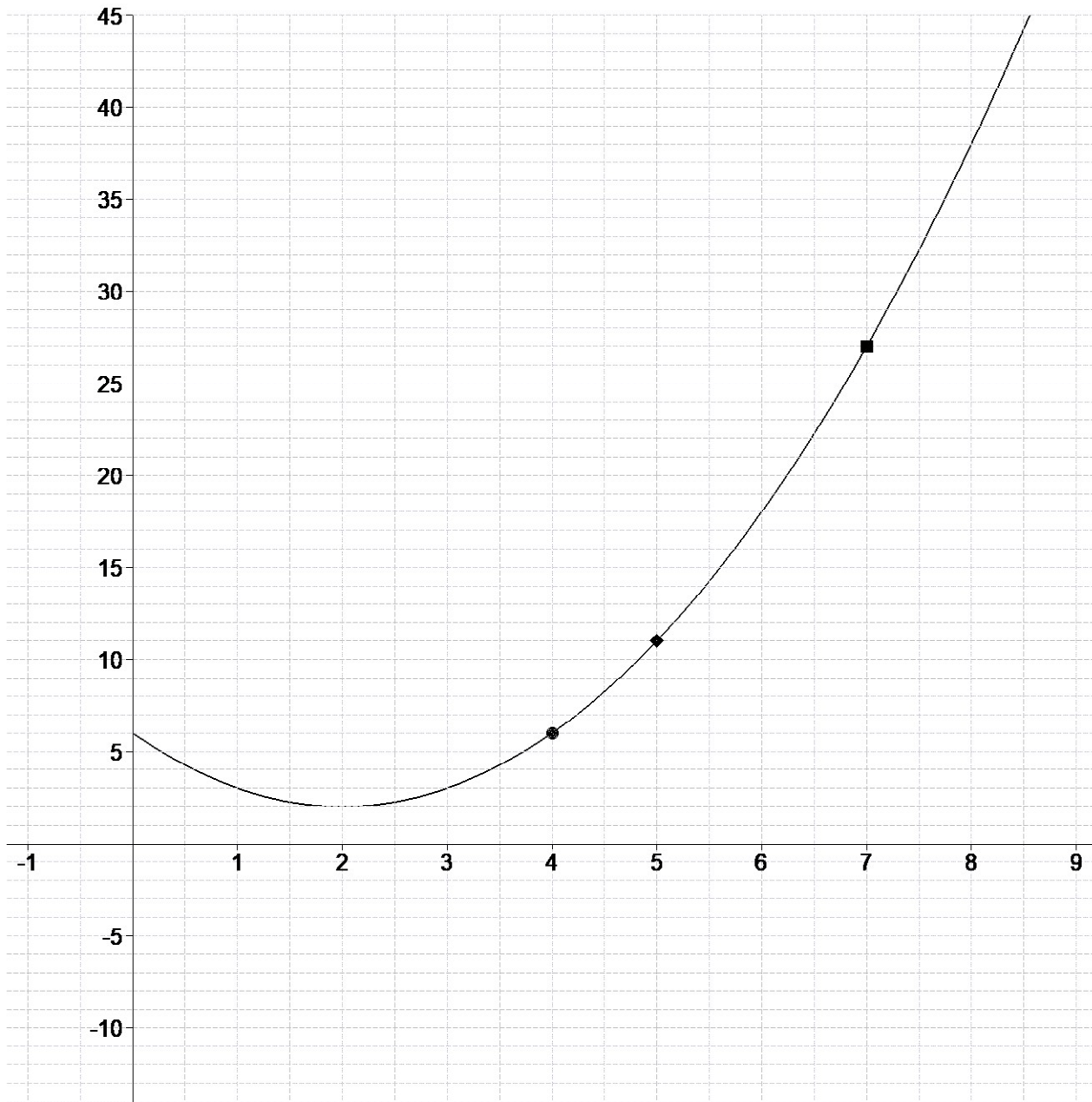
$$\begin{aligned}
 No01 &= \left(f(x) = \begin{bmatrix} kx + 37 & ; & x < 4 \\ 4x^2 - 3 & ; & x > 4 \end{bmatrix} \right), \quad No02 = \left(f(x) = \begin{bmatrix} kx^2 - 28 & ; & x < -3 \\ 4x + k & ; & x > -3 \end{bmatrix} \right) \\
 &= \left(f(x) = \begin{bmatrix} 3x^2 + a & ; & x < -2 \\ 12 + bx & ; & -2 < x < 3 \\ x^2 - 2x + 12 & ; & x > 3 \end{bmatrix} \right), \quad No04 = \left(f(x) = \begin{bmatrix} ax + 23 & ; & x < -4 \\ bx + a & ; & -4 < x < 4 \\ 4x + b & ; & x > 4 \end{bmatrix} \right) \\
 No05 &= [f(x) = (x - 3)^2 + 2] \\
 No06 &= \begin{bmatrix} f(x) = 5x^2 + 7 \\ a = 4 \\ b = 4.2 \\ c = 4.1 \\ d = 4.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 4 \\ b = 8 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 7 \\ b = 3 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 6 \\ b = 5 \end{bmatrix}
 \end{aligned}$$

[illegible]

⋮

[illegible]

$$\begin{aligned}
 No01 &= \left(f(x) = \begin{bmatrix} 2x^2 + k & ; & x \leq -3 \\ 6x - 5 & ; & x > 3 \end{bmatrix} \right), \quad No02 = \left(f(x) = \begin{bmatrix} 2x^2 + k & ; & x < -3 \\ kx + 38 & ; & x \geq -3 \end{bmatrix} \right) \\
 No03 &= \left(f(x) = \begin{bmatrix} 2x^2 + bx - 3 & ; & x < -3 \\ ax^2 & ; & -3 \leq x \leq 2 \\ 2 + 5x & ; & x > 2 \end{bmatrix} \right), \quad No04 = \left(f(x) = \begin{bmatrix} ax + 15 & ; & x < -3 \\ bx + a & ; & -3 \leq x < 3 \\ 4x + b & ; & x \geq 3 \end{bmatrix} \right) \\
 No05 &= [f(x) = (x - 2)^2 + 2] \\
 No06 &= \begin{bmatrix} f(x) = 3x^2 - 4 \\ a = 4 \\ b = 4.2 \\ c = 4.1 \\ d = 4.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 4 \\ b = 8 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 7 \\ b = 4 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 2 \\ b = 5 \end{bmatrix}
 \end{aligned}$$

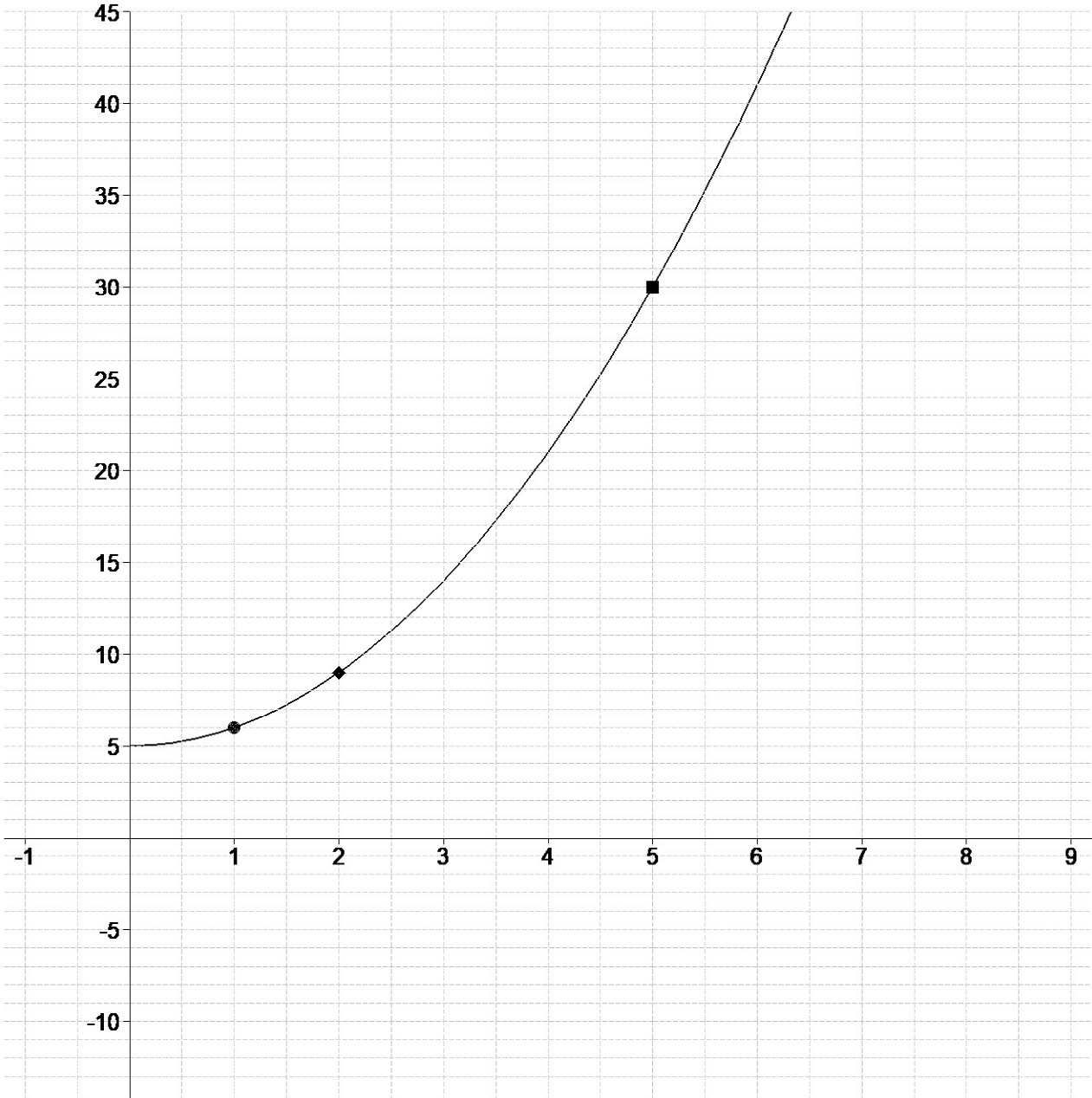
[illegible]

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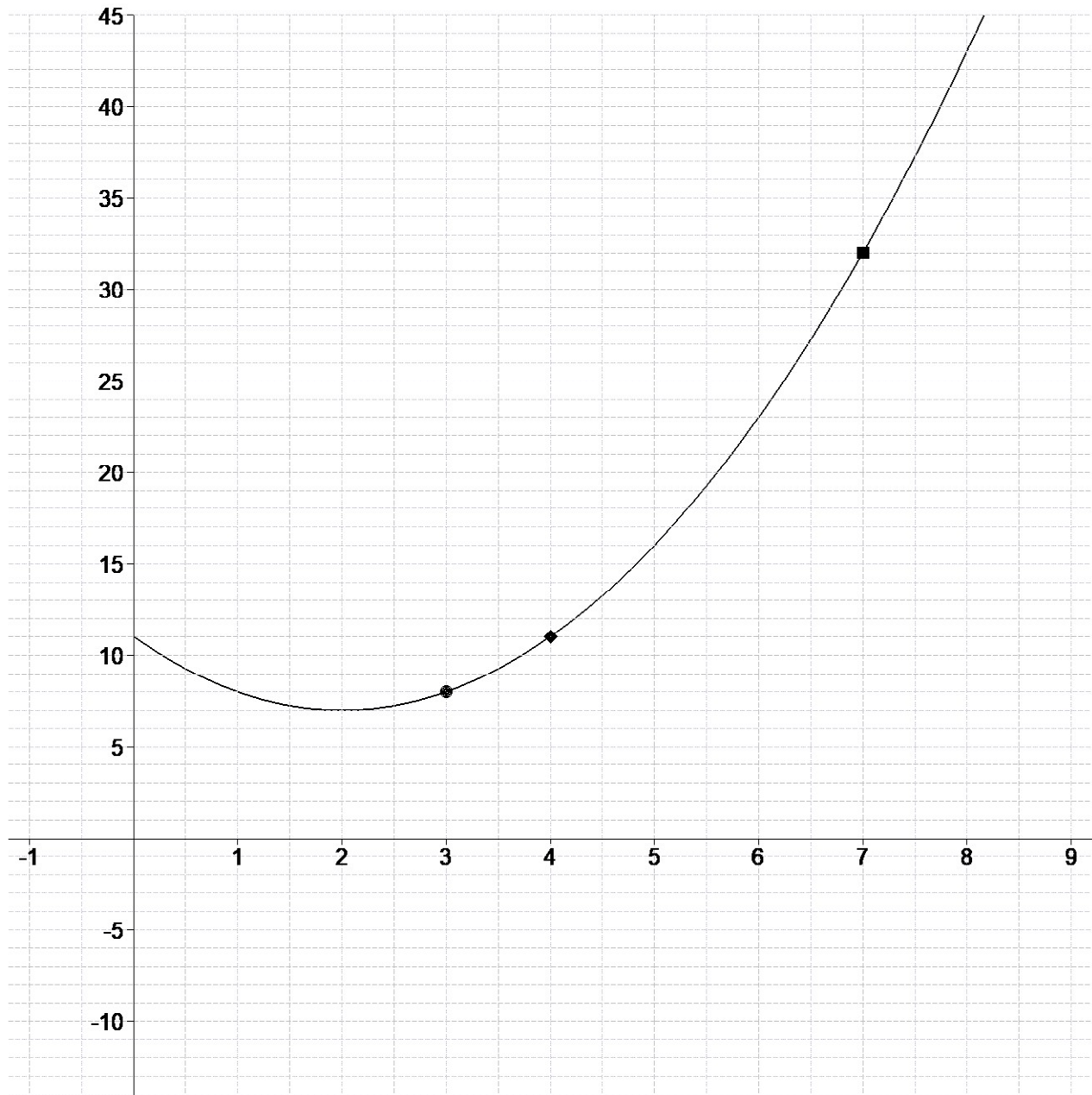
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Diff01 for No.10387

$$\begin{aligned}
 No01 &= \left(f(x) = \begin{bmatrix} 4x^2 + 5 & ; & x \leq 4 \\ kx + 49 & ; & x > 4 \end{bmatrix} \right), & No02 &= \left(f(x) = \begin{bmatrix} kx + 56 & ; & x \leq -3 \\ 4x^2 + k & ; & x > -3 \end{bmatrix} \right) \\
 No03 &= \left(f(x) = \begin{bmatrix} 3x^2 + ax - 2 & ; & x < -2 \\ 6x + b & ; & -2 \leq x \leq 4 \\ 2x^2 + 4 & ; & x > 4 \end{bmatrix} \right), & No04 &= \left(f(x) = \begin{bmatrix} ax + 15 & ; & x < -3 \\ bx + a & ; & -3 \leq x < 3 \\ 4x + b & ; & x \geq 3 \end{bmatrix} \right) \\
 No05 &= [f(x) = x^2 + 5] \\
 No06 &= \begin{bmatrix} f(x) = 3x^2 - 7 \\ a = 4 \\ b = 4.2 \\ c = 4.1 \\ d = 4.01 \end{bmatrix}, & No07 &= \begin{bmatrix} a = 8 \\ b = 5 \end{bmatrix}, & No08 &= \begin{bmatrix} a = 5 \\ b = 3 \end{bmatrix}, & No08 &= \begin{bmatrix} a = 2 \\ b = 5 \end{bmatrix}
 \end{aligned}$$

[illegible]

⋮

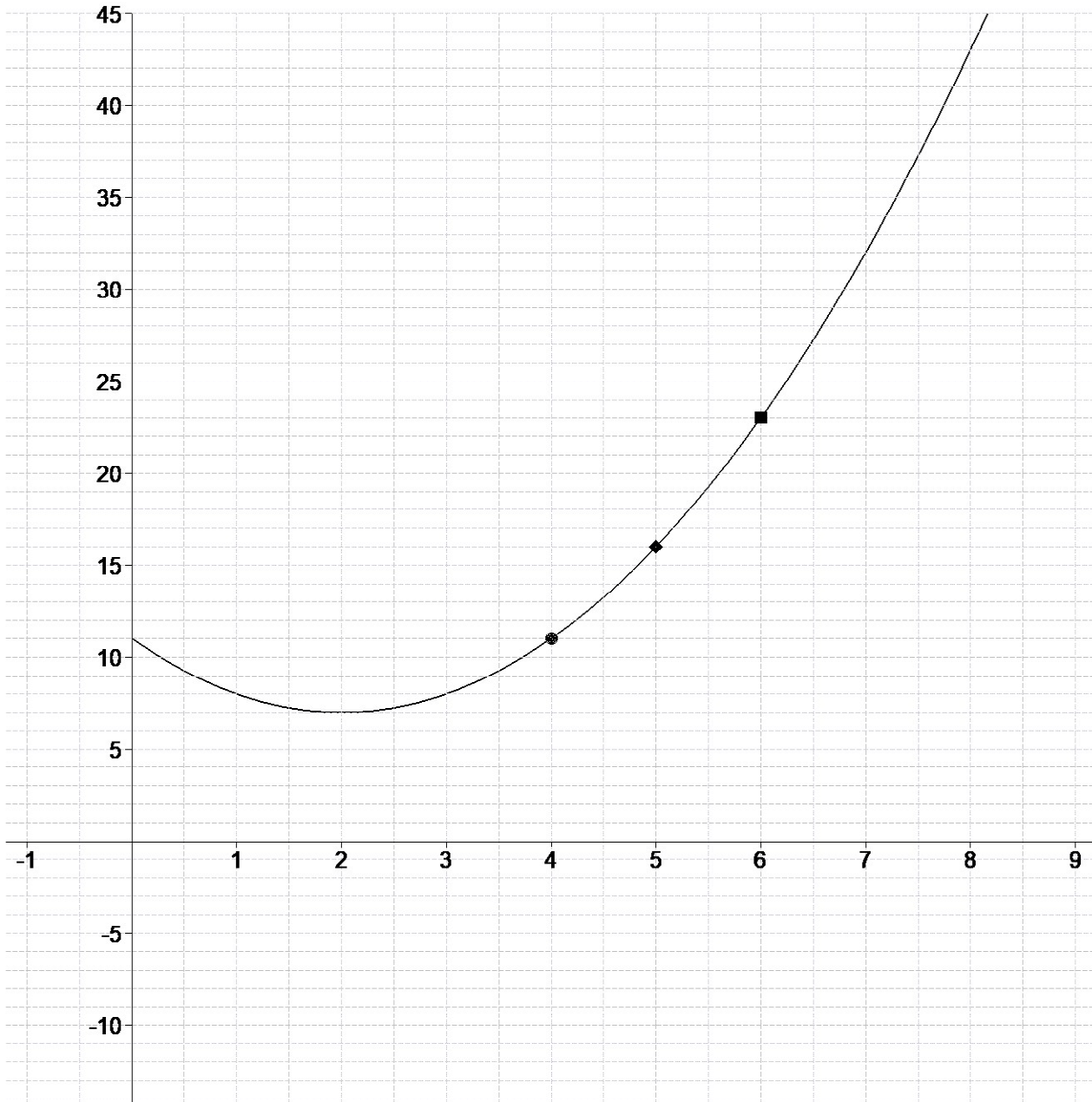
$$\begin{aligned}
 No01 &= \left(f(x) = \begin{bmatrix} kx^2 - 2 & ; & x \leq 3 \\ 6x + 7 & ; & x > 3 \end{bmatrix} \right), \quad No02 = \left(f(x) = \begin{bmatrix} kx + 14 & ; & x \leq -2 \\ 2x^2 + k & ; & x > -2 \end{bmatrix} \right) \\
 No03 &= \left(f(x) = \begin{bmatrix} bx^2 + 4x + 4 & ; & x \leq -2 \\ 14 + ax & ; & -2 < x < 3 \\ 2x^2 + 5 & ; & x \geq 3 \end{bmatrix} \right), \quad No04 = \left(f(x) = \begin{bmatrix} ax + 20 & ; & x < -2 \\ bx + a & ; & -2 \leq x < 6 \\ 3x + b & ; & x \geq 6 \end{bmatrix} \right) \\
 No05 &= [f(x) = (x - 2)^2 + 7] \\
 No06 &= \begin{bmatrix} f(x) = 6x^2 + 7 \\ a = 3 \\ b = 3.2 \\ c = 3.1 \\ d = 3.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 5 \\ b = 6 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 4 \\ b = 3 \end{bmatrix}, \quad No09 = \begin{bmatrix} a = 4 \\ b = 2 \end{bmatrix}
 \end{aligned}$$

$$\begin{array}{c} \vdots \\ \vdots \\ \vdots \\ \vdots \\ \vdots \\ \vdots \end{array}$$

[illegible]

$$\begin{aligned} No01 &= \left(f(x) = \begin{bmatrix} kx + 7 & ; & x \leq 2 \end{bmatrix}, \quad No02 = \left(f(x) = \begin{bmatrix} 6x + k & ; & x < -3 \\ kx^2 - 50 & ; & x \geq -3 \end{bmatrix} \right) \\ No03 &= \left(f(x) = \begin{bmatrix} ax^2 - x - 4 & ; & x \leq -3 \\ 35 + 3x & ; & -3 < x < 2 \\ 2x^2 + b & ; & x \geq 2 \end{bmatrix}, \quad No04 = \left(f(x) = \begin{bmatrix} bx + 27 & ; & x \leq -4 \\ ax + b & ; & -4 < x \leq 5 \\ 3x + a & ; & x > 5 \end{bmatrix} \right) \end{aligned}$$

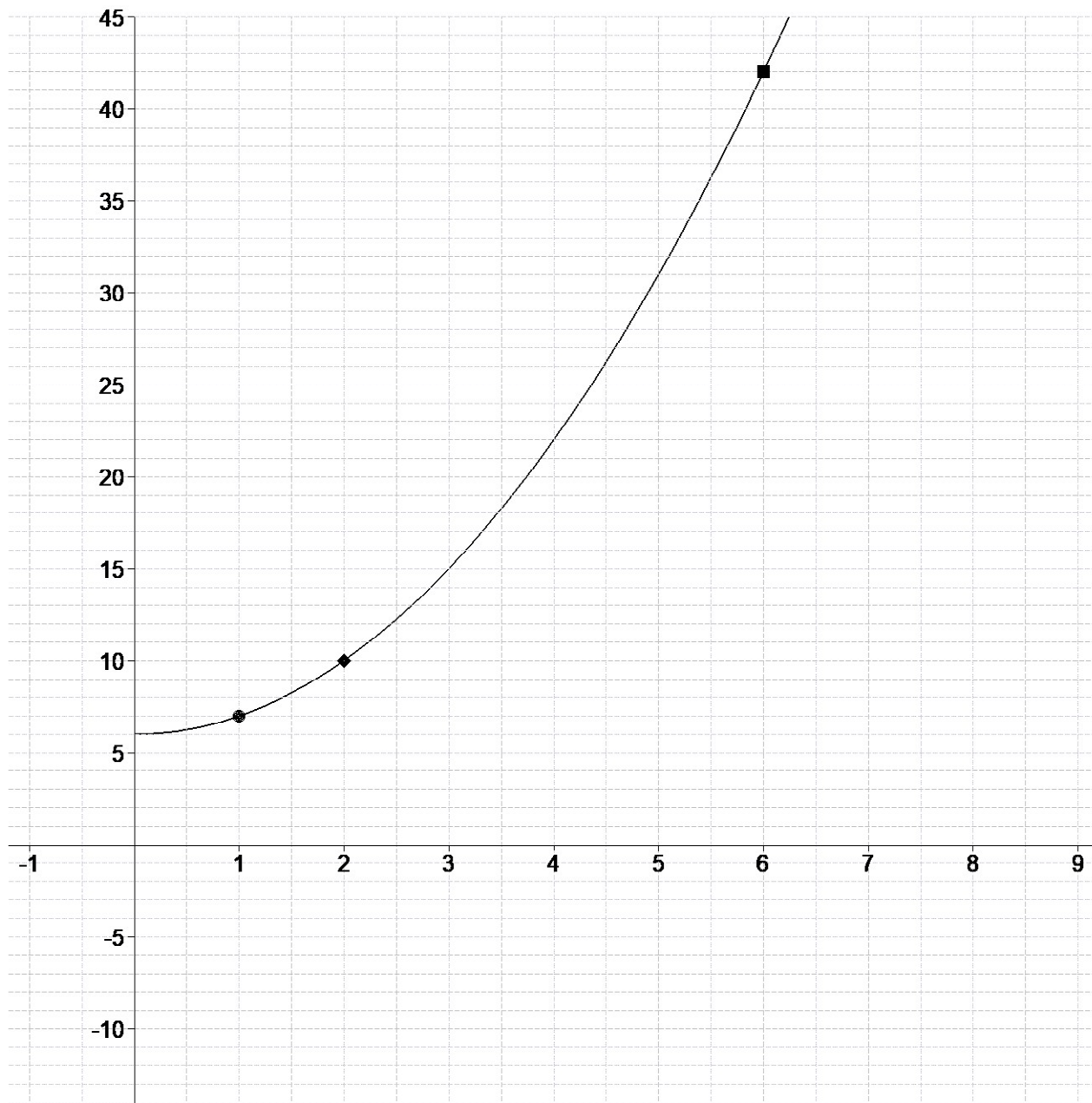
$No05 = [f(x) = (x - 2)^2 + 7]$

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

[illegible]

⋮

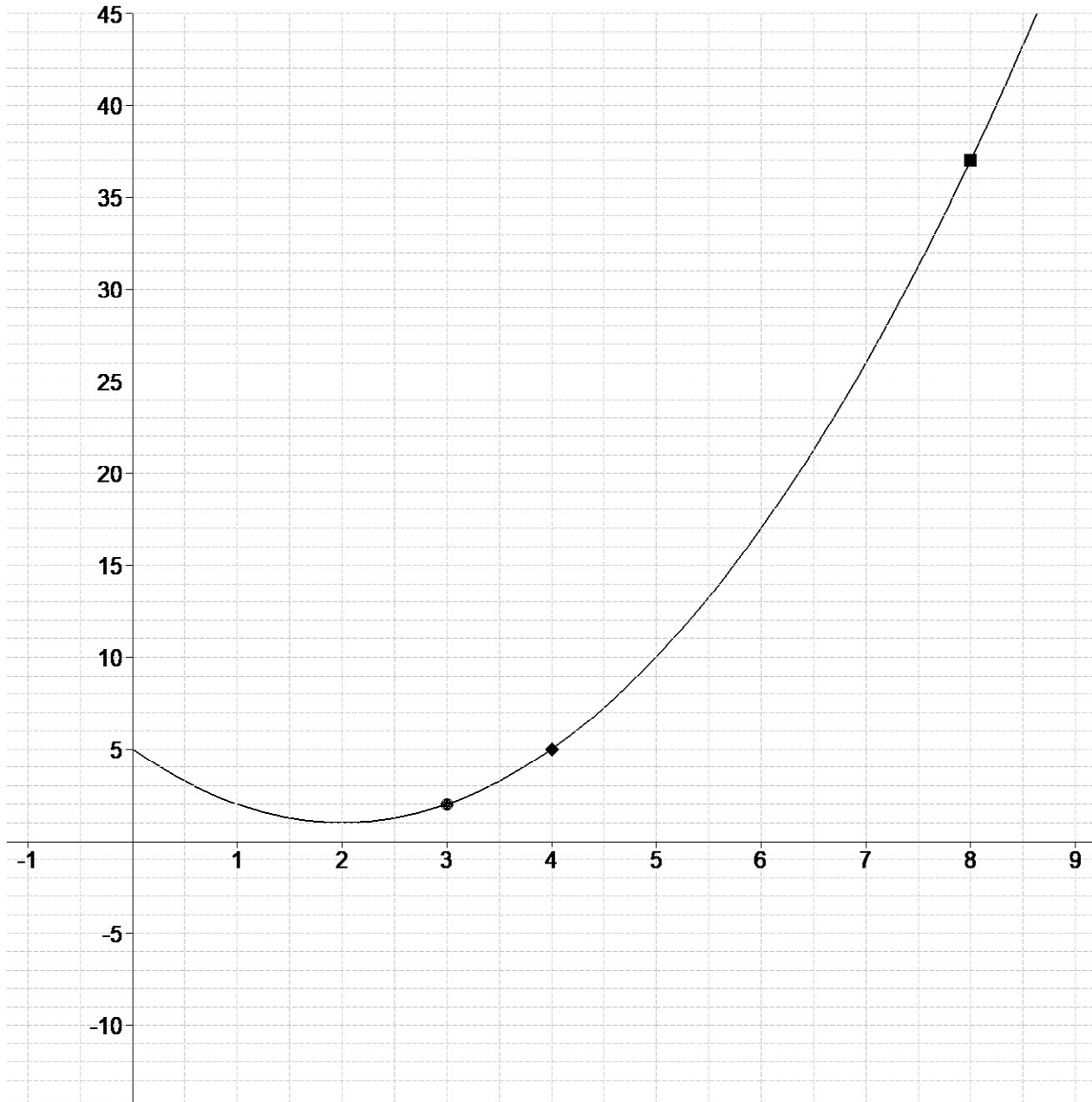
$$\begin{aligned}
 No01 &= \left(f(x) = \begin{cases} 2x^2 + 3 & ; \quad x \leq 4 \\ 4x + k & ; \quad x > 4 \end{cases} \right), \quad No02 = \left(f(x) = \begin{cases} kx + 60 & ; \quad x \leq -3 \\ 4x^2 + k & ; \quad x > -3 \end{cases} \right) \\
 No03 &= \left(f(x) = \begin{cases} 3x^2 + a & ; \quad x \leq -4 \\ 58 + bx & ; \quad -4 < x \leq 3 \\ 2x^2 - 5x + 61 & ; \quad x > 3 \end{cases} \right), \quad No04 = \left(f(x) = \begin{cases} bx + 14 & ; \quad x \leq -2 \\ ax + b & ; \quad -2 < x < 3 \\ 6x + a & ; \quad x \geq 3 \end{cases} \right) \\
 No05 &= [f(x) = x^2 + 6] \\
 No06 &= \begin{bmatrix} f(x) = 3x^2 - 2 \\ a = 2 \\ b = 2.2 \\ c = 2.1 \\ d = 2.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 6 \\ b = 3 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 5 \\ b = 2 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 4 \\ b = 8 \end{bmatrix}
 \end{aligned}$$



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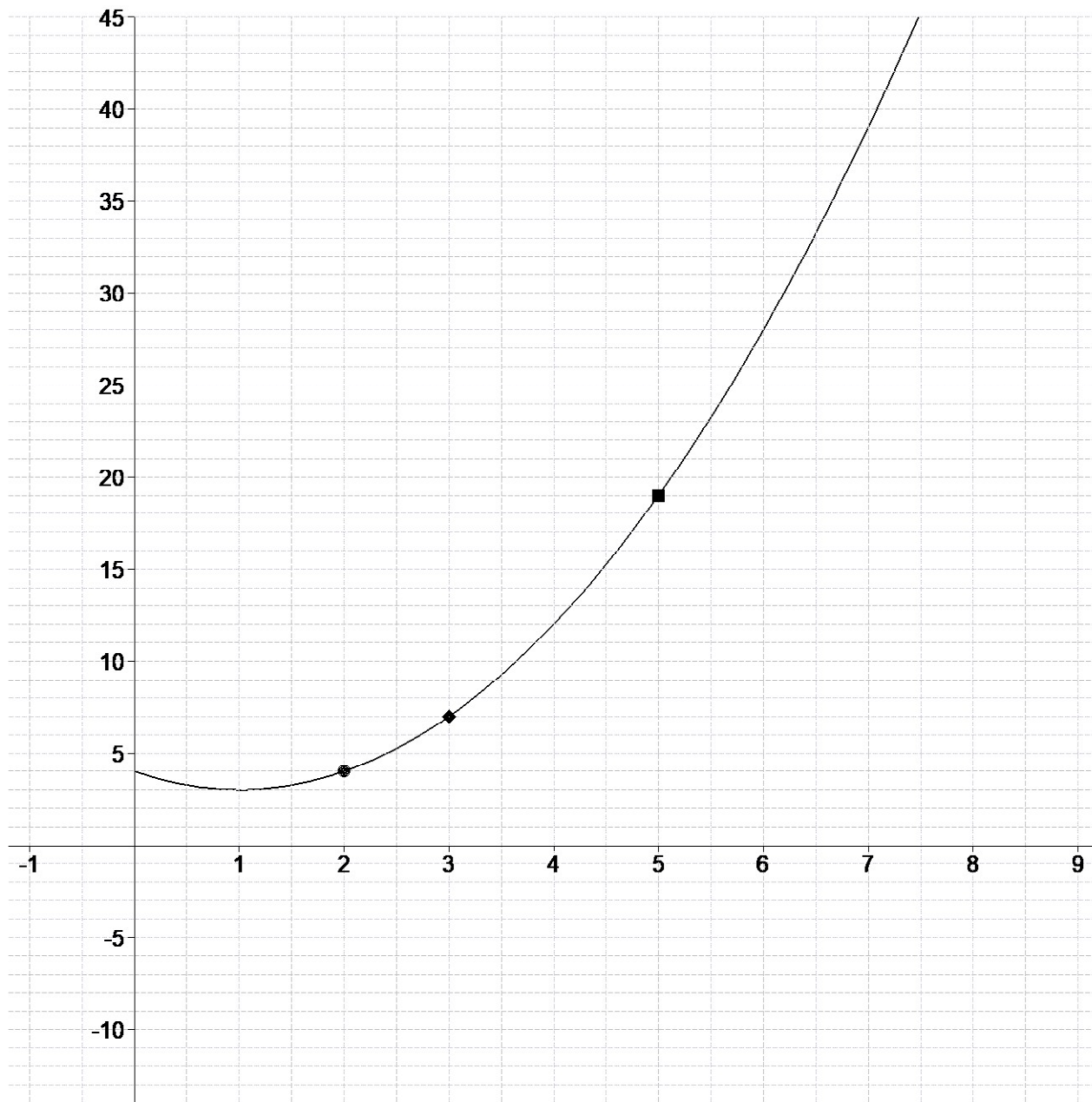
Diff01 for No.10966

$$\begin{aligned}
No01 &= \left(f(x) = \begin{bmatrix} 2x+k & ; & x < 3 \\ 3x^2+2 & ; & x >= 3 \end{bmatrix} \right), \quad No02 = \left(f(x) = \begin{bmatrix} 3x+k & ; & x < -2 \\ kx^2-21 & ; & x >= -2 \end{bmatrix} \right) \\
No03 &= \left(f(x) = \begin{bmatrix} 3x^2-2 & ; & x <= -3 \\ 4x+a & ; & -3 < x <= 2 \\ bx^2+7x+23 & ; & x > 2 \end{bmatrix} \right), \quad No04 = \left(f(x) = \begin{bmatrix} ax+23 & ; & x < -4 \\ bx+a & ; & -4 <= x < 4 \\ 4x+b & ; & x >= 4 \end{bmatrix} \right) \\
No05 &= [f(x) = (x-2)^2 + 1] \\
No06 &= \begin{bmatrix} f(x) = 5x^2 - 2 \\ a = 2 \\ b = 2.2 \\ c = 2.1 \\ d = 2.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 4 \\ b = 7 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 8 \\ b = 3 \end{bmatrix}, \quad No09 = \begin{bmatrix} a = 6 \\ b = 7 \end{bmatrix}
\end{aligned}$$

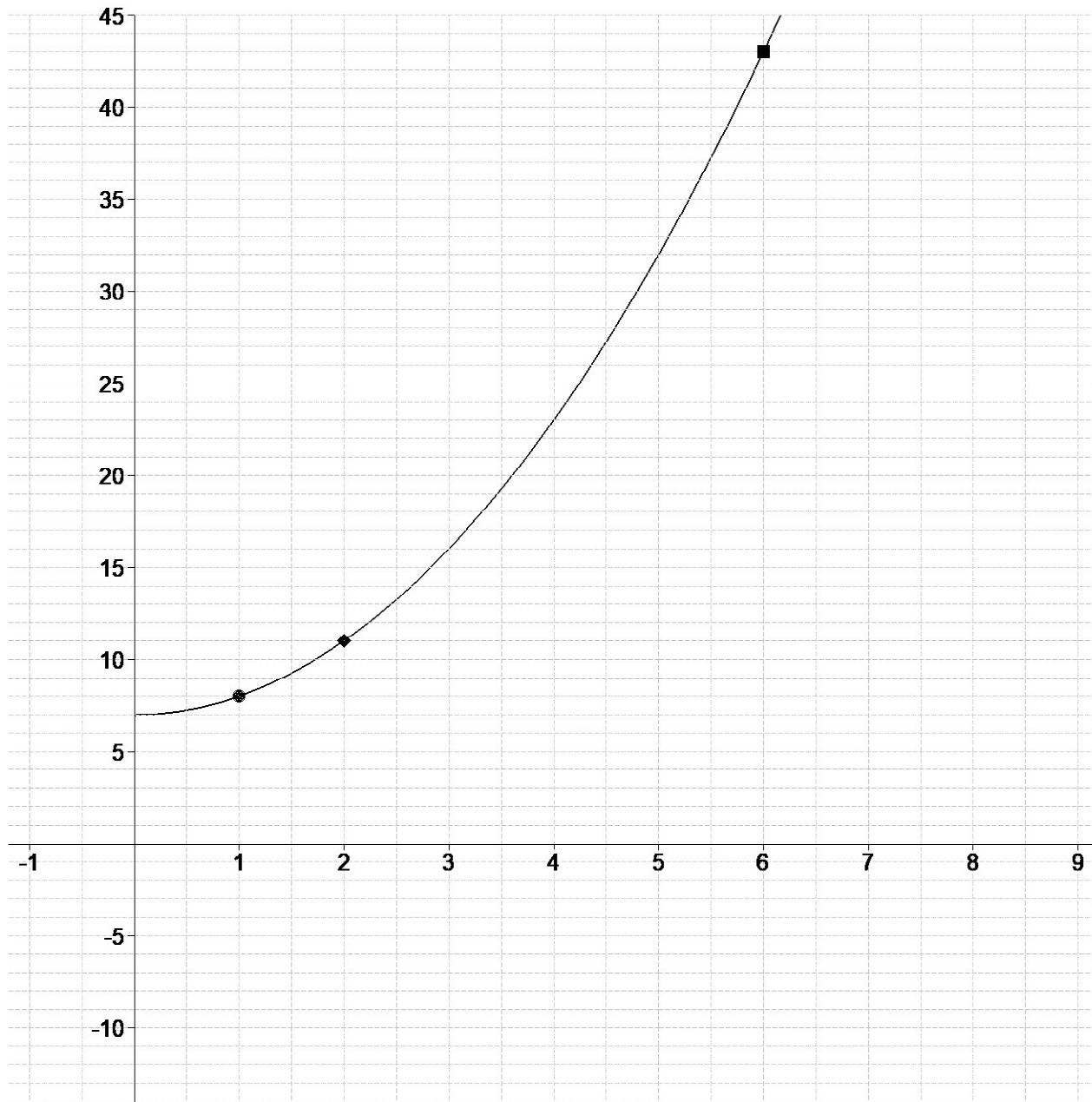
[illegible][illegible]

$$No05 = [f(x) = (x - 1)^2 + 3]$$

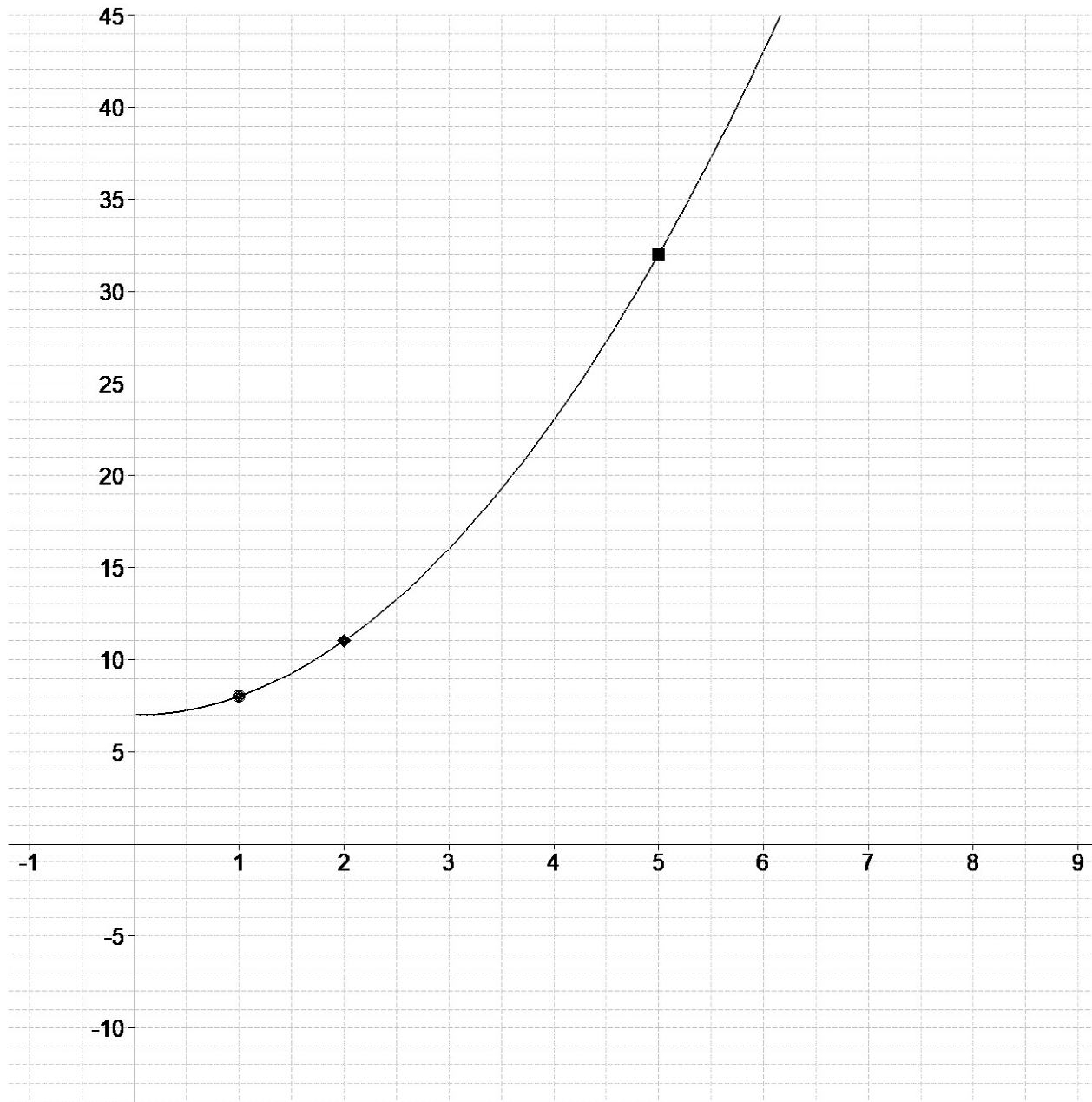
$$No06 = \begin{bmatrix} f(x) = 5x^2 - 4 \\ a = 3 \\ b = 3.2 \\ c = 3.1 \\ d = 3.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 8 \\ b = 3 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 4 \\ b = 2 \end{bmatrix}, \quad No09 = \begin{bmatrix} a = 6 \\ b = 4 \end{bmatrix}$$



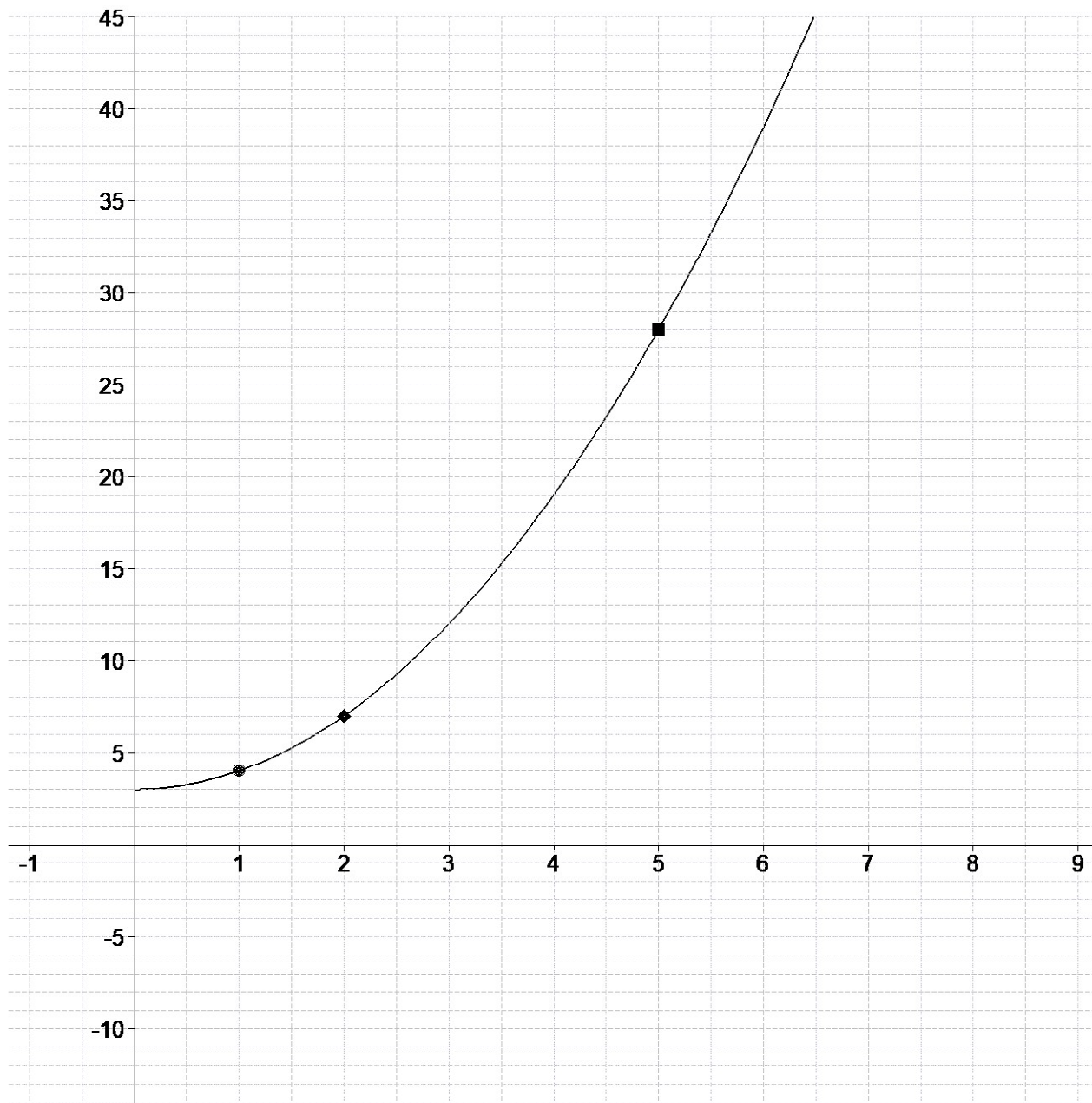
$$\begin{aligned}
 No01 &= \left(f(x) = \begin{cases} 7x+31 & ; \quad x \leq 4 \\ 4x^2+k & ; \quad x > 4 \end{cases} \right), \quad No02 = \left(f(x) = \begin{cases} 4x^2+k & ; \quad x \leq -2 \\ kx+25 & ; \quad x > -2 \end{cases} \right) \\
 No03 &= \left(f(x) = \begin{cases} 3x^2+bx-5 & ; \quad x \leq -4 \\ x^2+a & ; \quad -4 < x \leq 2 \\ 33+5x & ; \quad x > 2 \end{cases} \right), \quad No04 = \left(f(x) = \begin{cases} ax+16 & ; \quad x \leq -3 \\ bx+a & ; \quad -3 < x \leq 3 \\ 5x+b & ; \quad x > 3 \end{cases} \right) \\
 No05 &= [f(x) = x^2 + 7] \\
 No06 &= \begin{bmatrix} f(x) = 4x^2 - 3 \\ a = 3 \\ b = 3.2 \\ c = 3.1 \\ d = 3.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 6 \\ b = 3 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 7 \\ b = 8 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 8 \\ b = 6 \end{bmatrix}
 \end{aligned}$$



$$\begin{aligned}
 \text{No01} &= \left(f(x) = \begin{cases} 4x^2 - 2 & ; \quad x \leq 2 \\ 3x + k & ; \quad x > 2 \end{cases} \right), \quad \text{No02} = \left(f(x) = \begin{cases} kx + 23 & ; \quad x < -2 \\ 2x^2 + k & ; \quad x \geq -2 \end{cases} \right) \\
 \text{No03} &= \left(f(x) = \begin{cases} 5 + 4x & ; \quad x \leq -3 \\ x^2 + a & ; \quad -3 < x < 2 \\ bx^2 - x - 18 & ; \quad x \geq 2 \end{cases} \right), \quad \text{No04} = \left(f(x) = \begin{cases} 12 + bx & ; \quad x \leq -2 \\ ax + b & ; \quad -2 < x \leq 3 \\ 4x + a & ; \quad x > 3 \end{cases} \right) \\
 \text{No05} &= [f(x) = x^2 + 7] \\
 \text{No06} &= \begin{bmatrix} f(x) = 3x^2 - 7 \\ a = 2 \\ b = 2.2 \\ c = 2.1 \\ d = 2.01 \end{bmatrix}, \quad \text{No07} = \begin{bmatrix} a = 8 \\ b = 5 \end{bmatrix}, \quad \text{No08} = \begin{bmatrix} a = 6 \\ b = 8 \end{bmatrix}, \quad \text{No08} = \begin{bmatrix} a = 4 \\ b = 2 \end{bmatrix}
 \end{aligned}$$



$$\begin{aligned}
 No01 &= \left(f(x) = \begin{cases} 2x^2 + 3 & ; \quad x \leq 3 \\ kx & ; \quad x > 3 \end{cases} \right), \quad No02 = \left(f(x) = \begin{cases} 7x + k & ; \quad x < -3 \\ kx^2 - 53 & ; \quad x \geq -3 \end{cases} \right) \\
 No03 &= \left(f(x) = \begin{cases} 3x^2 - 4 & ; \quad x \leq -3 \\ ax^2 - 7x - 7 & ; \quad -3 < x < 2 \\ -29 + bx & ; \quad x \geq 2 \end{cases} \right), \quad No04 = \left(f(x) = \begin{cases} bx + 13 & ; \quad x \leq -3 \\ ax + b & ; \quad -3 < x \leq 2 \\ 6x + a & ; \quad x > 2 \end{cases} \right) \\
 No05 &= [f(x) = x^2 + 3] \\
 No06 &= \begin{bmatrix} f(x) = 3x^2 + 8 \\ a = 4 \\ b = 4.2 \\ c = 4.1 \\ d = 4.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 8 \\ b = 6 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 4 \\ b = 7 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 7 \\ b = 2 \end{bmatrix}
 \end{aligned}$$



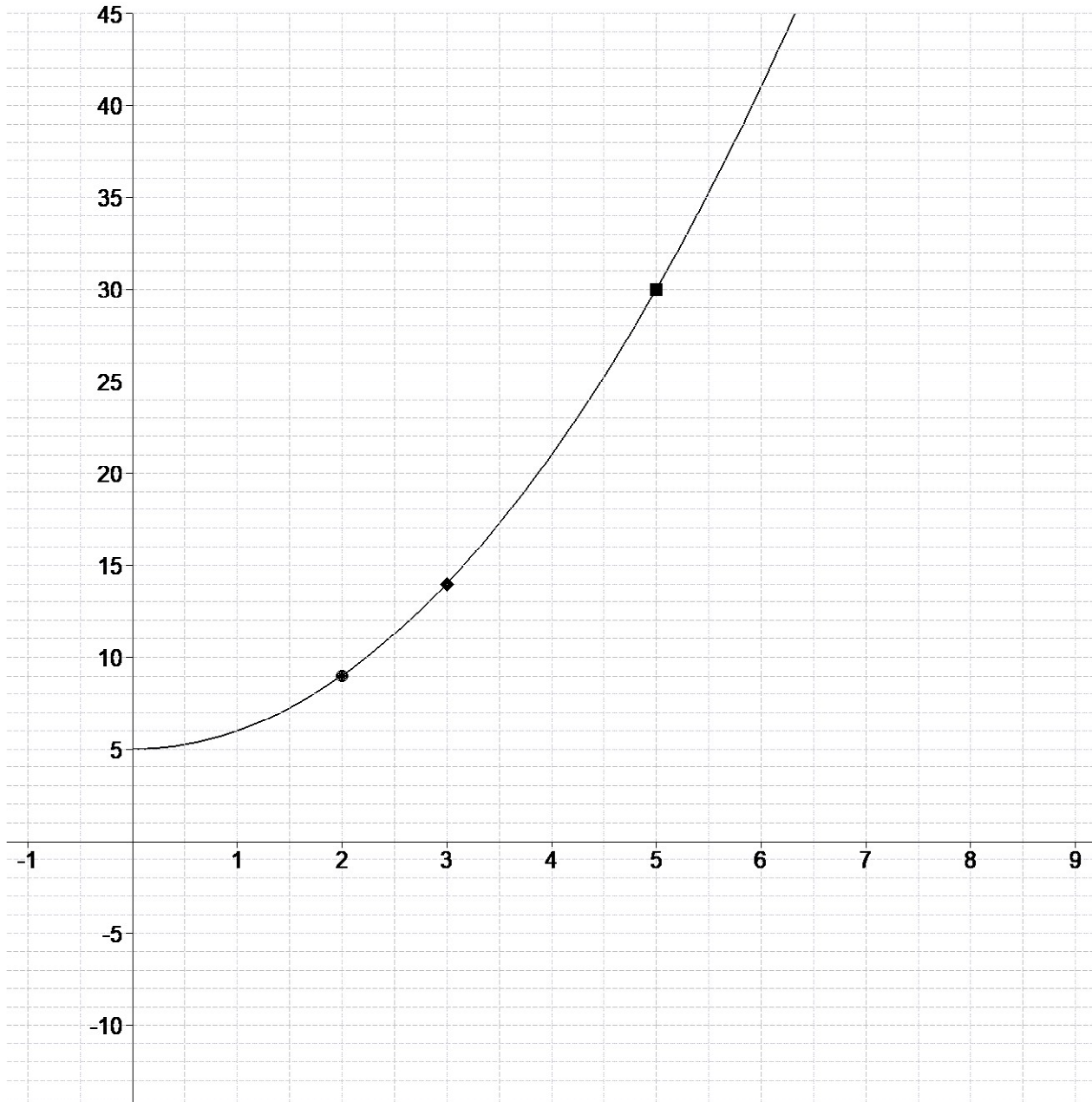
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Diff01 for No.12557

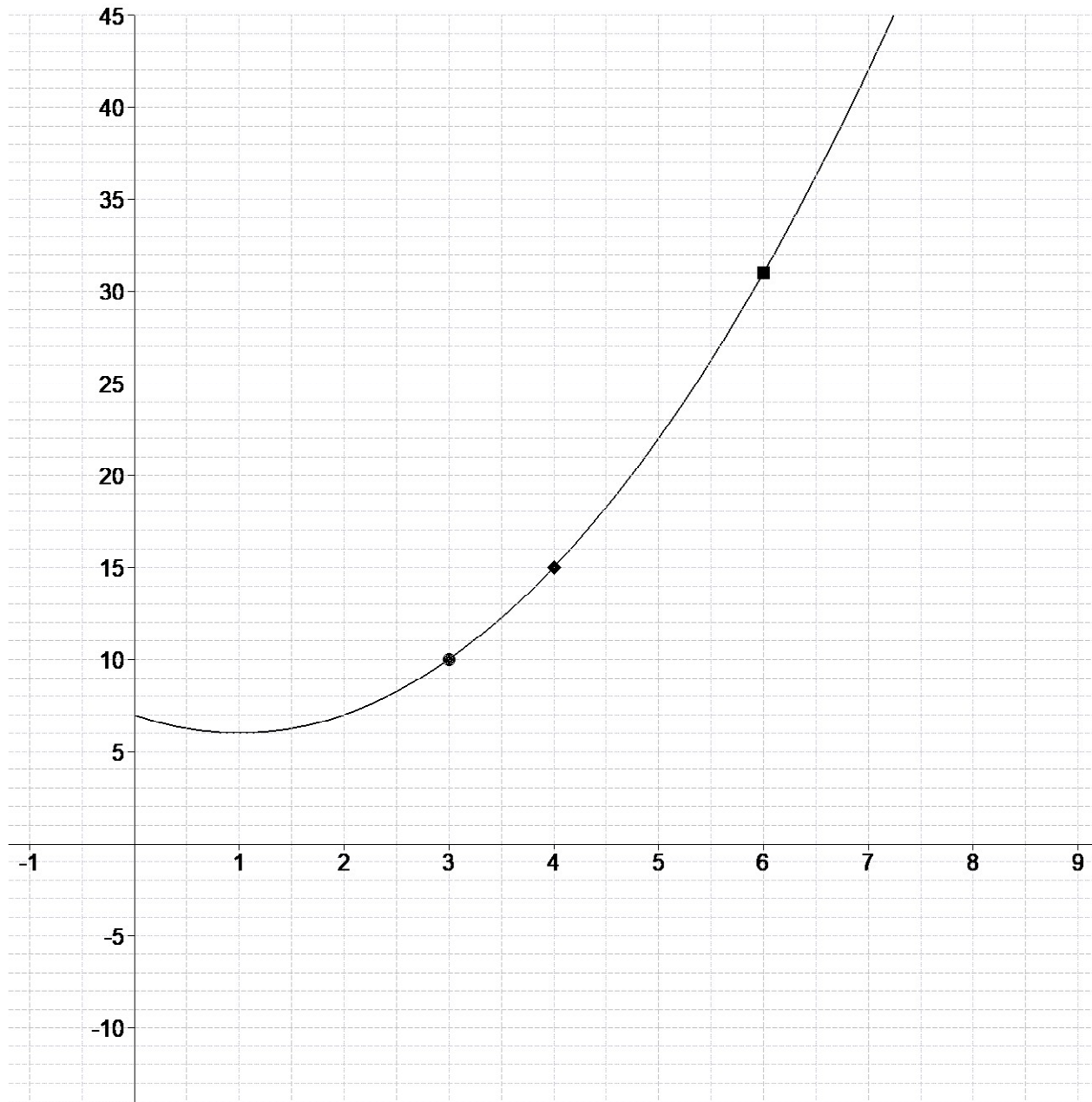
$$\begin{aligned} No01 &= \left(f(x) = \begin{bmatrix} 3x^2 - 5 & ; & x < 4 \\ 6x + k & ; & x \geq 4 \end{bmatrix} \right), & No02 &= \left(f(x) = \begin{bmatrix} 3x^2 + k & ; & x \leq -3 \\ kx + 35 & ; & x > -3 \end{bmatrix} \right) \\ No03 &= \left(f(x) = \begin{bmatrix} -4 + ax & ; & x < -2 \\ 3x^2 + 6x - 18 & ; & -2 \leq x \leq 3 \\ 2x^2 + b & ; & x > 3 \end{bmatrix} \right), & No04 &= \left(f(x) = \begin{bmatrix} bx + 11 & ; & x \leq -2 \\ ax + b & ; & -2 < x \leq 2 \\ 6x + a & ; & x > 2 \end{bmatrix} \right) \end{aligned}$$

No05 = [$f(x) = x^2 + 5$]

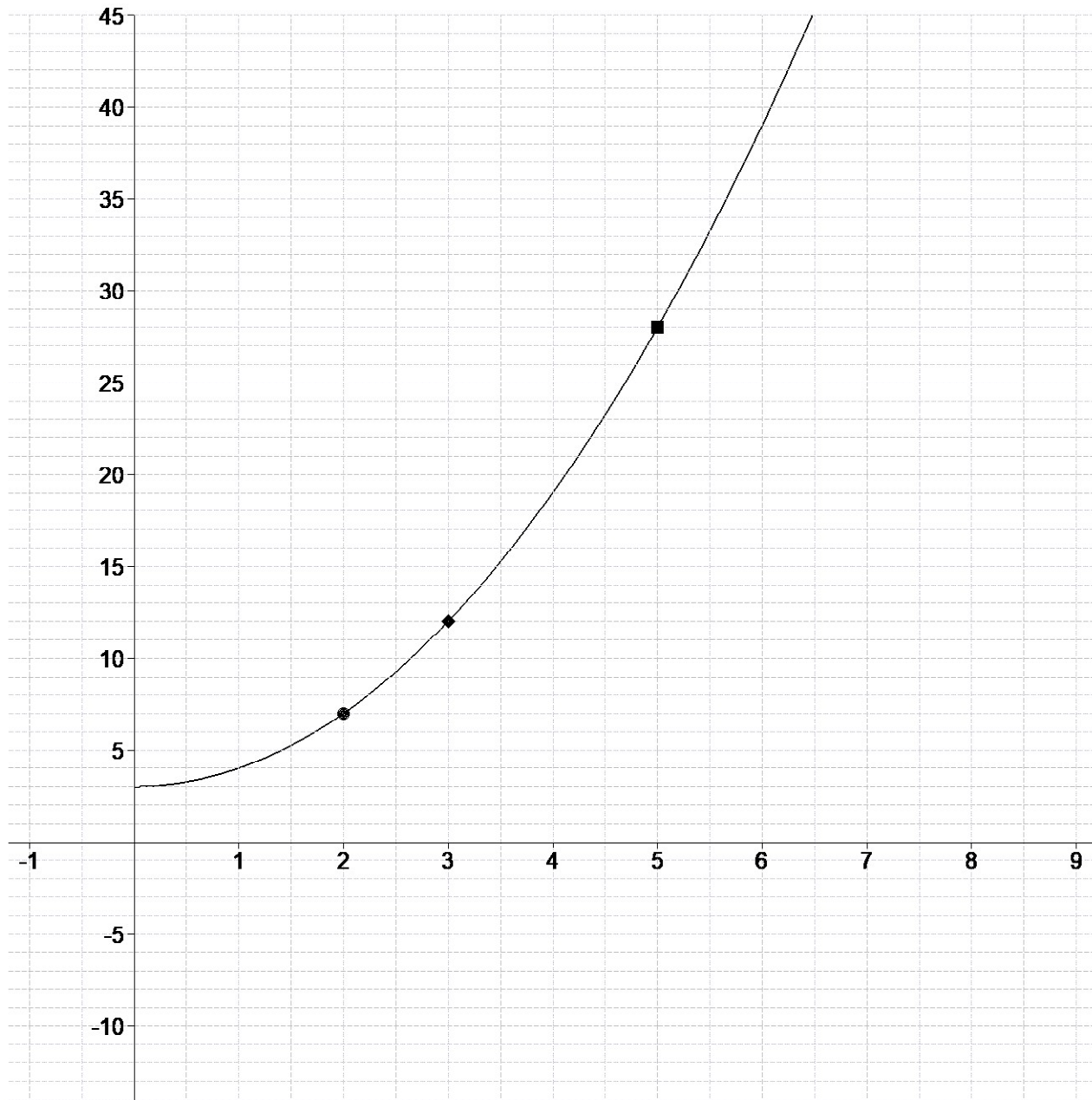
$$No06 = \begin{bmatrix} f(x) = 8x^2 + 7 \\ a = 2 \\ b = 2.2 \\ c = 2.1 \\ d = 2.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 6 \\ b = 5 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 2 \\ b = 8 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 6 \\ b = 4 \end{bmatrix}$$

[illegible][illegible]

$$\begin{aligned}
 No01 &= \left(f(x) = \begin{cases} 7x+k & ; \quad x \leq 4 \\ 2x^2+2 & ; \quad x > 4 \end{cases} \right), \quad No02 = \left(f(x) = \begin{cases} 8x+k & ; \quad x < -2 \\ kx^2-34 & ; \quad x \geq -2 \end{cases} \right) \\
 No03 &= \left(f(x) = \begin{cases} -3+4x & ; \quad x < -3 \\ x^2-2x+b & ; \quad -3 \leq x \leq 4 \\ ax^2-54 & ; \quad x > 4 \end{cases} \right), \quad No04 = \left(f(x) = \begin{cases} 12+bx & ; \quad x \leq -2 \\ ax+b & ; \quad -2 < x \leq 3 \\ 4x+a & ; \quad x > 3 \end{cases} \right) \\
 No05 &= [f(x) = (x-1)^2 + 6] \\
 No06 &= \begin{bmatrix} f(x) = 5x^2 + 6 \\ a = 2 \\ b = 2.2 \\ c = 2.1 \\ d = 2.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 8 \\ b = 4 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 5 \\ b = 7 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 8 \\ b = 3 \end{bmatrix}
 \end{aligned}$$



$$\begin{aligned}
No01 &= \left(f(x) = \begin{bmatrix} 8x - 10 & ; & x < 3 \\ kx^2 - 4 & ; & x >= 3 \end{bmatrix} \right), \quad No02 = \left(f(x) = \begin{bmatrix} 4x^2 + k & ; & x < -4 \\ kx + 94 & ; & x >= -4 \end{bmatrix} \right) \\
No03 &= \left(f(x) = \begin{bmatrix} x^2 + 5x + a & ; & x <= -2 \\ -7 + bx & ; & -2 < x < 4 \\ 3x^2 - 51 & ; & x >= 4 \end{bmatrix} \right), \quad No04 = \left(f(x) = \begin{bmatrix} bx + 16 & ; & x < -3 \\ ax + b & ; & -3 <= x <= 3 \\ 5x + a & ; & x > 3 \end{bmatrix} \right) \\
No05 &= [f(x) = x^2 + 3] \\
No06 &= \begin{bmatrix} f(x) = 8x^2 + 3 \\ a = 2 \\ b = 2.2 \\ c = 2.1 \\ d = 2.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 3 \\ b = 4 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 4 \\ b = 2 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 5 \\ b = 4 \end{bmatrix}
\end{aligned}$$

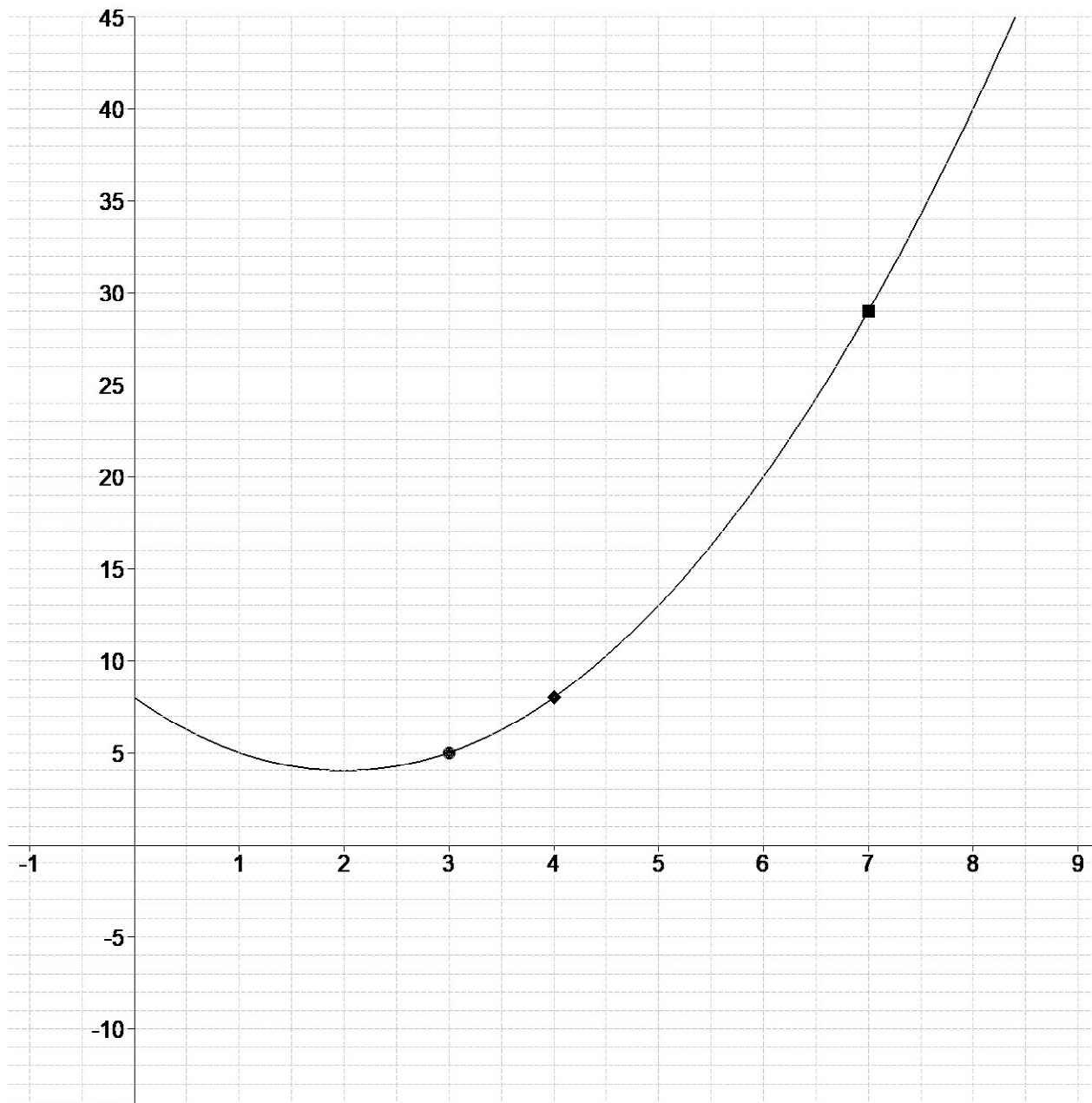


[illegible]

$$\begin{aligned} No01 &= \left(f(x) = \begin{bmatrix} kx^2 - 3 & ; & x \leq 4 \\ 5x + 25 & ; & x > 4 \end{bmatrix} \right), & No02 &= \left(f(x) = \begin{bmatrix} kx + 89 & ; & x \leq -4 \\ 4x^2 + k & ; & x > -4 \end{bmatrix} \right) \\ No03 &= \left(f(x) = \begin{bmatrix} 1 + x & ; & x \leq -2 \\ x^2 + b & ; & -2 < x \leq 3 \\ 3x^2 + ax - 44 & ; & x > 3 \end{bmatrix} \right), & No04 &= \left(f(x) = \begin{bmatrix} bx + 32 & ; & x < -4 \\ ax + b & ; & -4 \leq x < 6 \\ 3x + a & ; & x \geq 6 \end{bmatrix} \right) \end{aligned}$$

No05 = [f(x) = (-2 + x)² + 4]

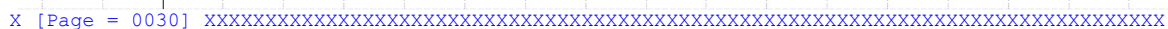
$$No06 = \begin{bmatrix} f(x) = 7x^2 + 6 \\ a = 3 \\ b = 3.2 \\ c = 3.1 \\ d = 3.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 6 \\ b = 5 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 8 \\ b = 2 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 8 \\ b = 7 \end{bmatrix}$$

[illegible]

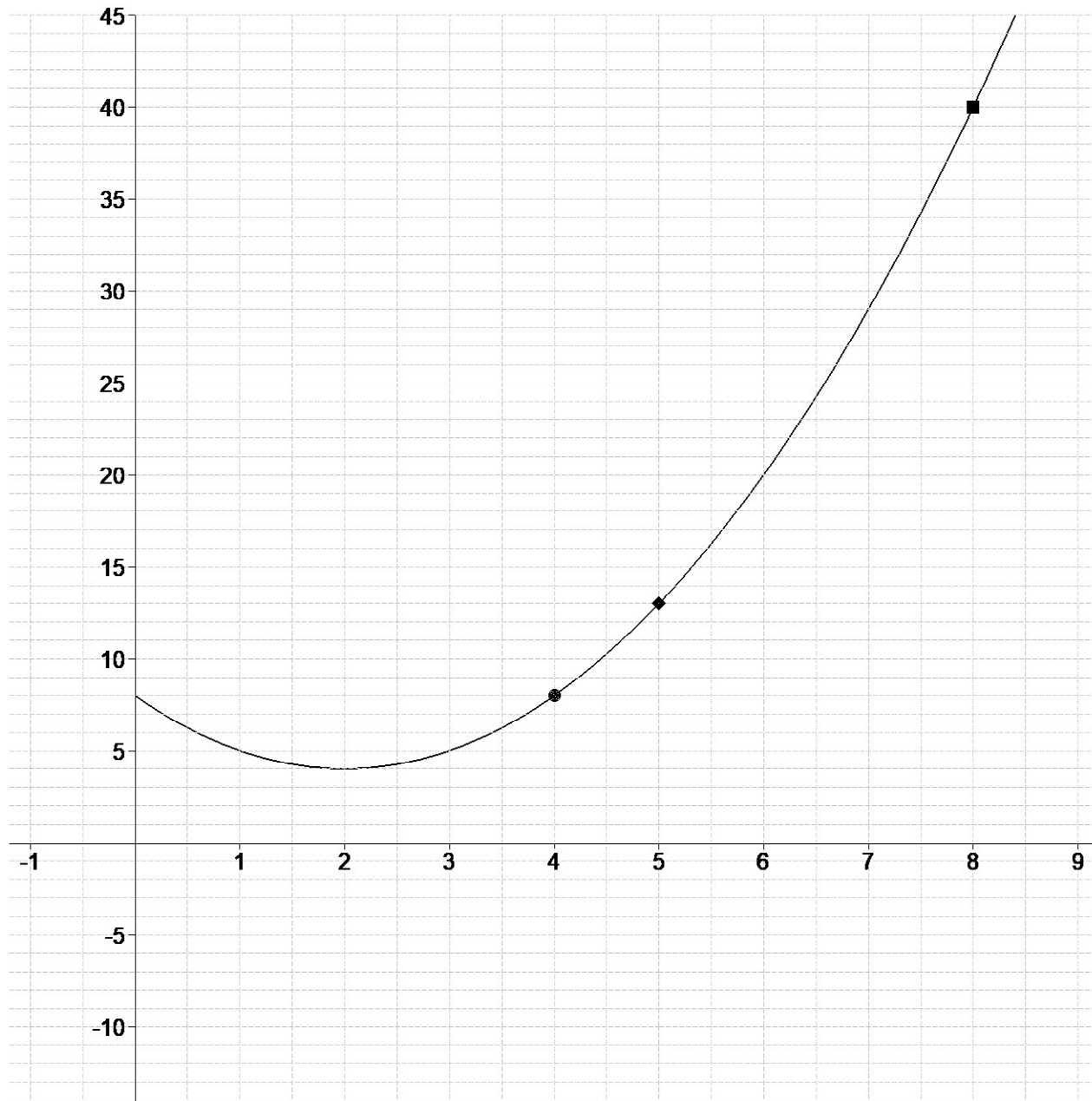
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$$\begin{aligned} No01 &= \left(f(x) = \begin{bmatrix} kx^2 - 1 & ; & x < 4 \\ 4x + 15 & ; & x \geq 4 \end{bmatrix} \right), & No02 &= \left(f(x) = \begin{bmatrix} kx + 56 & ; & x < -3 \\ 4x^2 + k & ; & x \geq -3 \end{bmatrix} \right) \\ No03 &= \left(f(x) = \begin{bmatrix} x^2 + ax + 4 & ; & x < -4 \\ 5x + b & ; & -4 < x < 3 \\ 3x^2 + 48 & ; & x \geq 3 \end{bmatrix} \right), & No04 &= \left(f(x) = \begin{bmatrix} bx + 16 & ; & x < -3 \\ ax + b & ; & -3 \leq x \leq 3 \\ 5x + a & ; & x > 3 \end{bmatrix} \right) \end{aligned}$$

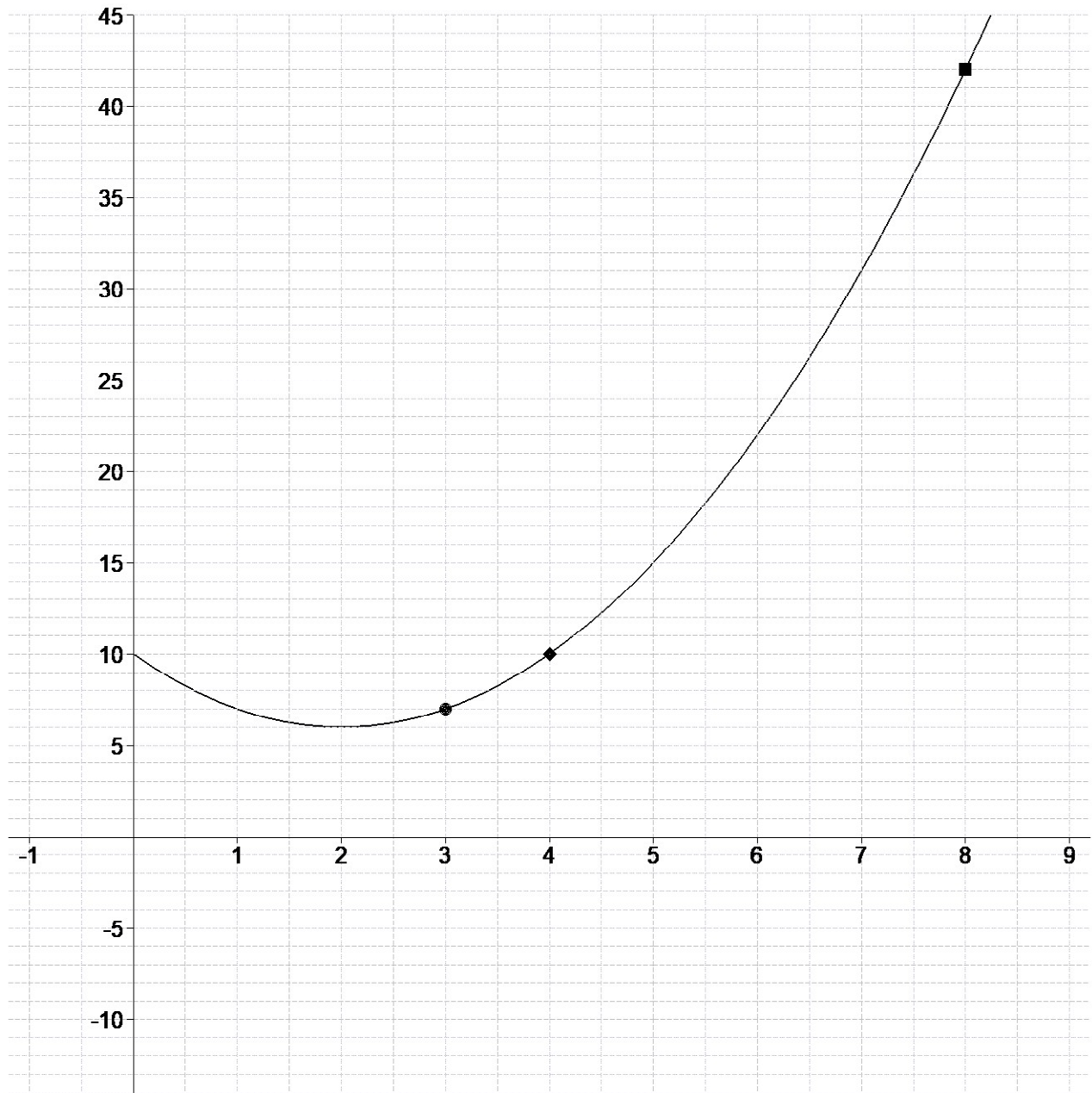
$$No06 = \begin{bmatrix} f(x) = 5x^2 + 2 \\ a = 3 \\ b = 3.2 \\ c = 3.1 \\ d = 3.01 \end{bmatrix}, \quad , No07 = \begin{bmatrix} a = 7 \\ b = 8 \end{bmatrix}, \quad , No08 = \begin{bmatrix} a = 5 \\ b = 8 \end{bmatrix}, \quad , No08 = \begin{bmatrix} a = 8 \\ b = 6 \end{bmatrix}$$


$$\vdots$$

$$\begin{aligned}
 No01 &= \left(f(x) = \begin{bmatrix} 4x^2 - 2 & ; & x \leq 3 \\ kx + 13 & ; & x > 3 \end{bmatrix} \right), \quad No02 = \left(f(x) = \begin{bmatrix} kx^2 - 54 & ; & x < -4 \\ 6x + k & ; & x \geq -4 \end{bmatrix} \right) \\
 No03 &= \left(f(x) = \begin{bmatrix} -4 + 4x & ; & x < -2 \\ 3x^2 - 7x + a & ; & -2 \leq x < 3 \\ bx^2 - 41 & ; & x \geq 3 \end{bmatrix} \right), \quad No04 = \left(f(x) = \begin{bmatrix} ax + 22 & ; & x \leq -4 \\ bx + a & ; & -4 < x \leq 4 \\ 3x + b & ; & x > 4 \end{bmatrix} \right) \\
 No05 &= [f(x) = (-2 + x)^2 + 4] \\
 No06 &= \begin{bmatrix} f(x) = 3x^2 + 2 \\ a = 4 \\ b = 4.2 \\ c = 4.1 \\ d = 4.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 3 \\ b = 2 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 4 \\ b = 6 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 4 \\ b = 5 \end{bmatrix}
 \end{aligned}$$



$$\begin{aligned}
 No01 &= \left(f(x) = \begin{bmatrix} kx & ; & x \leq 2 \\ 3x^2 + 4 & ; & x > 2 \end{bmatrix} \right), \quad No02 = \left(f(x) = \begin{bmatrix} 2x + k & ; & x < -2 \\ kx^2 - 16 & ; & x \geq -2 \end{bmatrix} \right) \\
 No03 &= \left(f(x) = \begin{bmatrix} 4 + bx & ; & x < -2 \\ x^2 + 4x - 6 & ; & -2 \leq x \leq 3 \\ ax^2 - 12 & ; & x > 3 \end{bmatrix} \right), \quad No04 = \left(f(x) = \begin{bmatrix} bx + 18 & ; & x \leq -4 \\ ax + b & ; & -4 < x < 3 \\ 4x + a & ; & x \geq 3 \end{bmatrix} \right) \\
 No05 &= [f(x) = (-2 + x)^2 + 6] \\
 No06 &= \begin{bmatrix} f(x) = 5x^2 + 4 \\ a = 2 \\ b = 2.2 \\ c = 2.1 \\ d = 2.01 \end{bmatrix}, \quad No07 = \begin{bmatrix} a = 5 \\ b = 4 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 2 \\ b = 6 \end{bmatrix}, \quad No08 = \begin{bmatrix} a = 4 \\ b = 8 \end{bmatrix}
 \end{aligned}$$



[illegible]