

Afbeeldingen oefening 2 Antwoorden

1. $T\begin{pmatrix} 2 \\ -3 \end{pmatrix}$: $y = x^2$ \rightarrow $y = (x-2)^2 - 3$
2. $L_{x-as,4}$: $y = \sqrt{x}$ \rightarrow $y = 4\sqrt{x}$
3. $L_{y-as,3}$: $y = \log x$ \rightarrow $y = \log \frac{1}{3}x$
4. S_{x-as} : $y = x^3$ \rightarrow $y = -x^3$
5. S_{y-as} : $y = x^2 - x$ \rightarrow $y = x^2 + x$
6. $T\begin{pmatrix} -5 \\ 1 \end{pmatrix}$: $y = 3x - 4$ \rightarrow $y = 3x + 12$
7. $L_{x-as,-2}$: $y = \sqrt{x-2}$ \rightarrow $y = -2\sqrt{x-2}$
8. $L_{y-as,5}$: $y = \log(x+4)$ \rightarrow $y = \log(\frac{1}{5}x+4)$
9. S_{x-as} : $y = \sqrt{x-1}$ \rightarrow $y = -\sqrt{x-1}$
10. S_{y-as} : $y = x^2 + 3x - 1$ \rightarrow $y = x^2 - 3x - 1$
11. $T\begin{pmatrix} 4 \\ 3 \end{pmatrix}$: $y = \frac{1}{x}$ \rightarrow $y = \frac{1}{x-4} + 3$
12. $L_{x-as,2}$: $y = \sqrt{x+3}$ \rightarrow $y = 2\sqrt{x+3}$
13. $L_{y-as,\frac{1}{2}}$: $y = \log(x+5)$ \rightarrow $y = \log(2x+5)$
14. S_{x-as} : $y = \frac{2}{x}$ \rightarrow $y = \frac{-2}{x}$
15. S_{y-as} : $y = x - x^2$ \rightarrow $y = -x - x^2$
16. $T\begin{pmatrix} 5 \\ -1 \end{pmatrix}$: $y = x^2 + 3x$ \rightarrow $y = x^2 - 7x + 9$
17. $L_{x-as,\frac{2}{3}}$: $y = \sqrt{x-2}$ \rightarrow $y = \frac{2}{3}\sqrt{x-2}$
18. $L_{y-as,-5}$: $y = \log(x+4)$ \rightarrow $y = \log(-\frac{1}{5}x+4)$