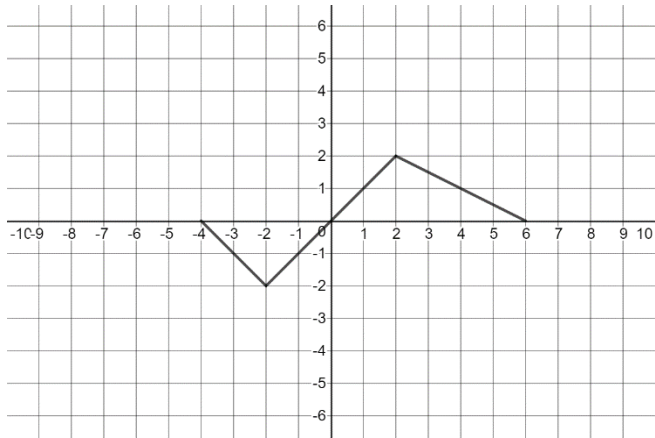


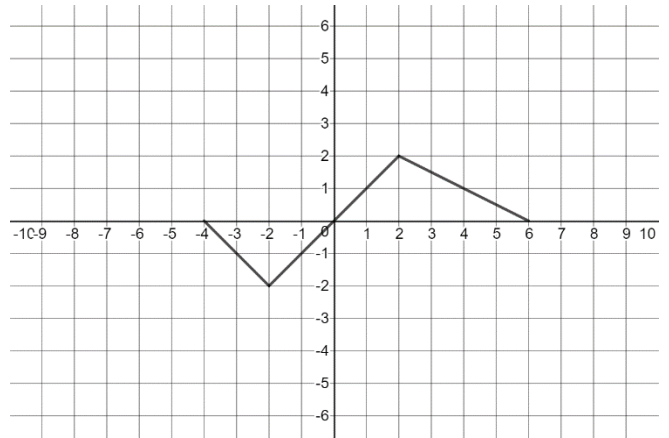
The graph of $f(x)$ is given on each grid below. Graph each of the following.

1. $f(x) + 4$



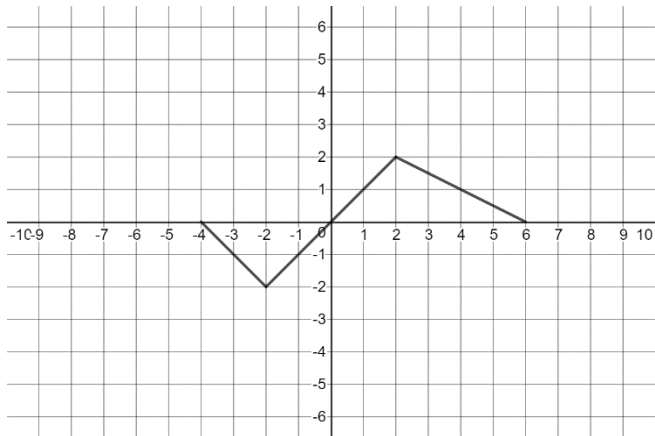
2. $f(x - 4)$

3. $f(x - 3) + 2$



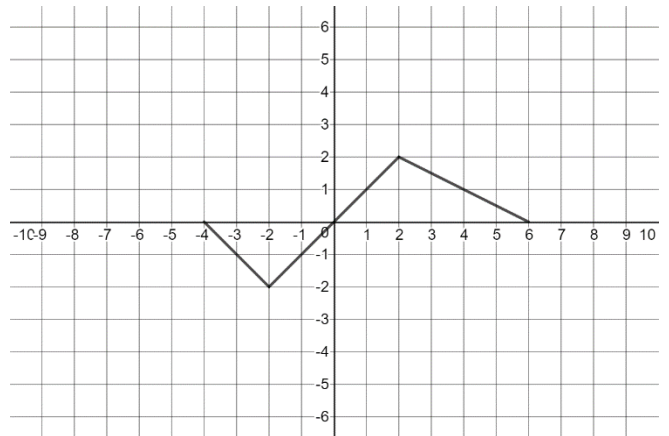
4. $f(x + 2) - 1$

5. $\frac{1}{2}f(x)$



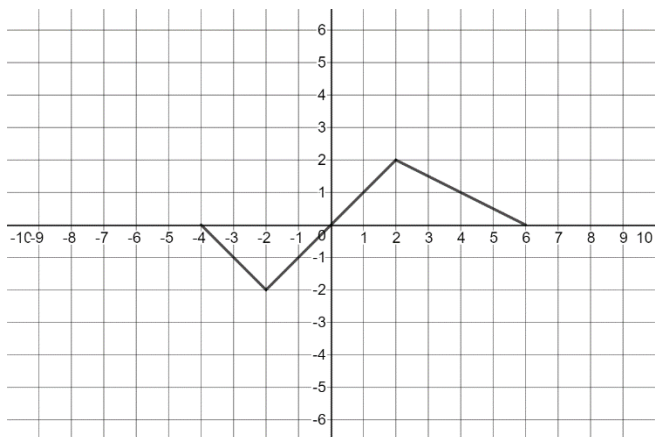
6. $3f(x)$

7. $f(2x)$

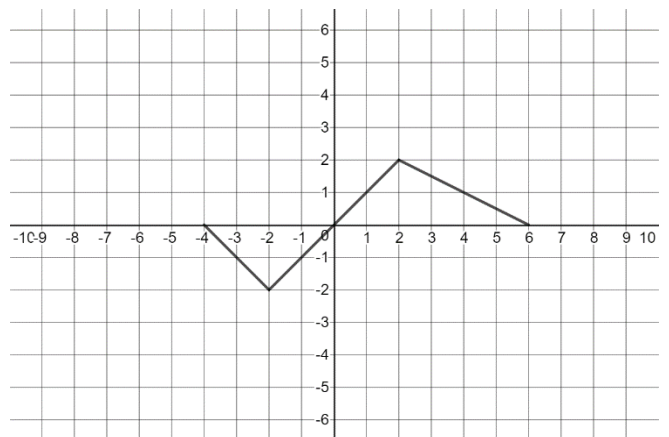


8. $f\left(\frac{x}{2}\right)$

9. $2f(2x)$

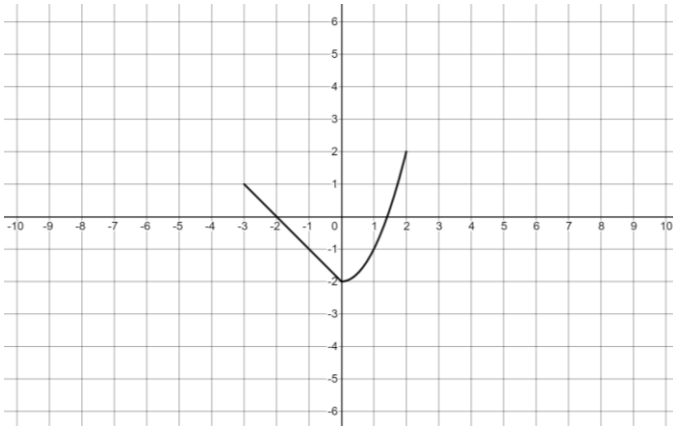


10. $2f(2(x - 3)) + 1$



The graph of $g(x)$ is given on each grid below. Graph each of the following.

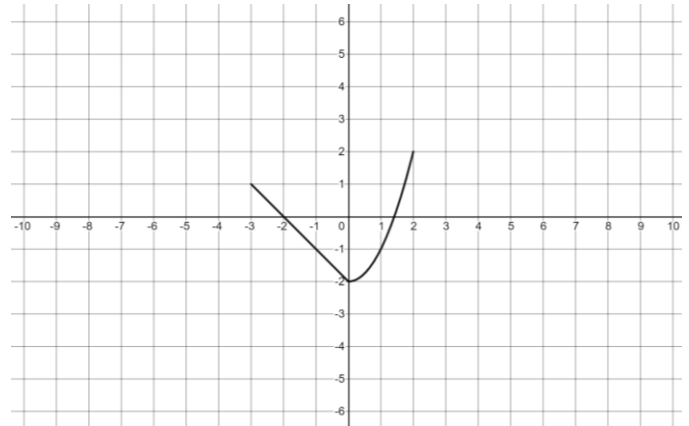
11. $-g(x)$



12. $g(-x)$

13. $g(2x)$

14. $g\left(\frac{x}{2}\right)$

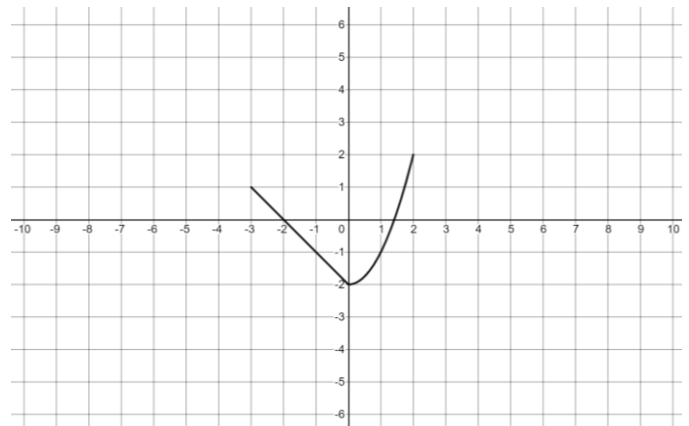
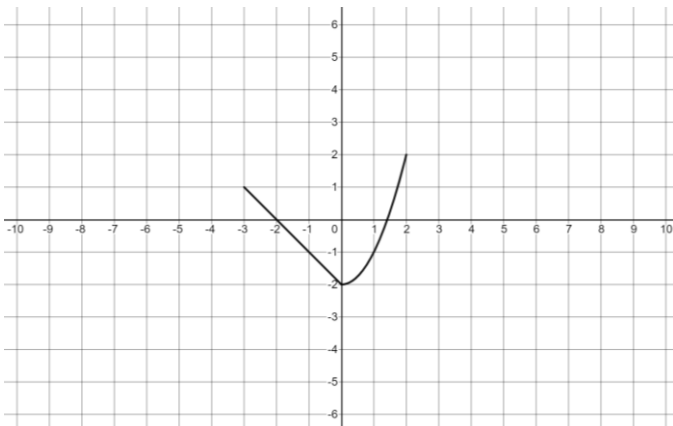


15. $2g(x)$

16. $2g(x - 1) + 3$

17. $g\left(\frac{x}{3}\right)$

18. $g\left(\frac{x}{3}\right) + 2$



19. $2g\left(\frac{x}{3}\right)$

20. $2g\left(\frac{1}{3}(x + 3)\right) - 2$

