

For each of the following, name the transformation.

11. $y = f(3x)$

12. $y = f(x + 2)$

13. $y = f(x) + 5$

14. $y = \frac{1}{2}f(x)$

15. $y = f(-x)$

16. $y = f(x - 7)$

18. $y = 4f(x)$

19. $y = f\left(\frac{1}{2}x\right)$

20. $y = -f(x)$