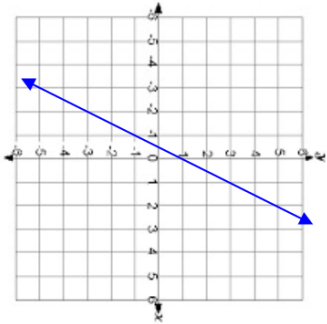
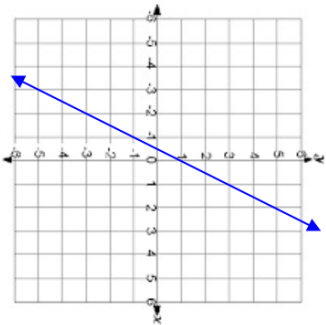


Transformations

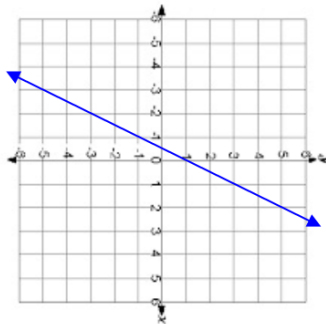
$f(x) + k$



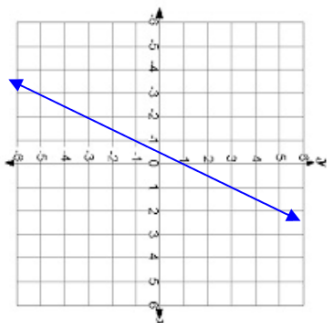
$f(x + k)$



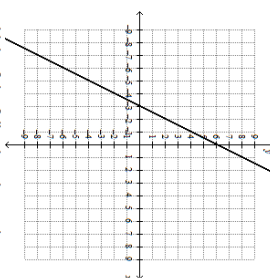
$k * f(x)$



$$f(k * x)$$



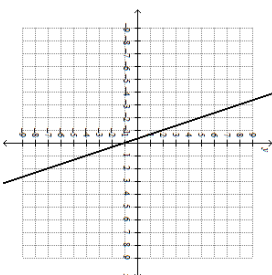
Below is the graph of $f(x)$:



Which of the following shows the correct equation for the transformation?

- a. $f(x) + 3 = 2x + 3$
- b. $f(x) + 3 = 2x + 9$
- c. $f(x) + 3 = -2x + 3$
- d. $f(x) + 3 = -2x + 9$

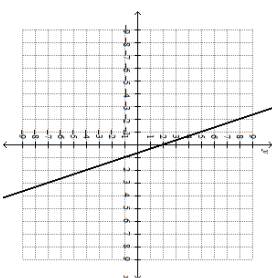
Below is the graph of $f(x)$:



Which of the following shows the correct equation for the transformation?

- a. $f(x) + 3 = 3x + 2$
- b. $f(x) + 3 = -3x + 2$
- c. $f(x) + 3 = -3x - 4$
- d. $f(x) + 3 = 3x - 4$

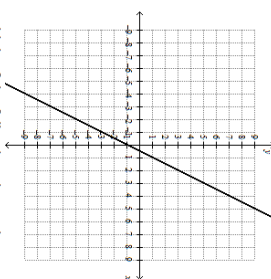
Below is the graph of $f(x)$:



Which of the following shows the correct equation for the transformation?

- a. $5 * f(x) = -15x + 10$
- b. $5 * f(x) = -3x - 10$
- c. $5 * f(x) = -3x + 10$
- d. $5 * f(x) = -15x - 10$

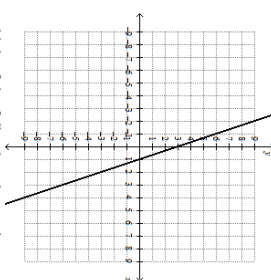
Below is the graph of $f(x)$:



Which of the following shows the correct equation for the transformation?

- a. $4 * f(x) = 2x + 4$
- b. $4 * f(x) = 8x - 4$
- c. $4 * f(x) = 8x + 4$
- d. $4 * f(x) = 2x - 4$

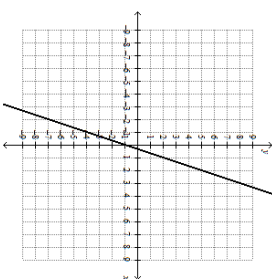
Below is the graph of $f(x)$:



Which of the following shows the correct equation for the transformation?

- a. $f(3 * x) = 9x + 3$
- b. $f(3 * x) = 9x + 9$
- c. $f(3 * x) = -9x + 9$
- d. $f(3 * x) = -9x + 3$

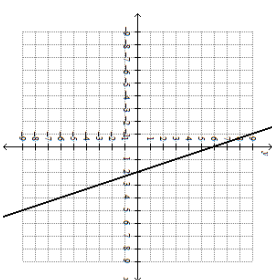
Below is the graph of $f(x)$:



Which of the following shows the correct equation for the transformation?

- a. $f(-4 * x) = 12x + 4$
- b. $f(-4 * x) = -12x + 4$
- c. $f(-4 * x) = 12x - 1$
- d. $f(-4 * x) = -12x - 1$

Below is the graph of $f(x)$:



Which of the following shows the correct equation for the transformation?

- a. $f(x + 3) = 3x + 3$
- b. $f(x + 3) = -3x - 3$
- c. $f(x + 3) = -3x + 3$
- d. $f(x + 3) = 3x - 3$