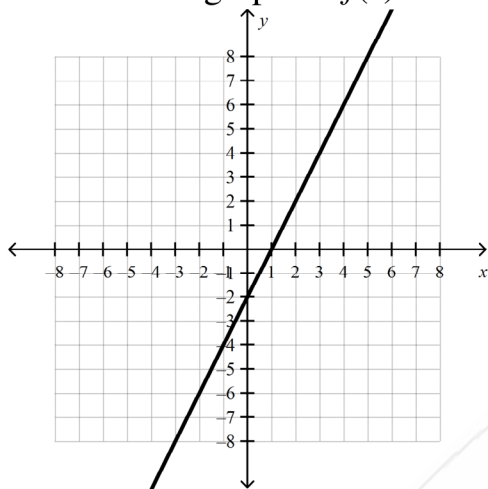


Transform linear functions**Multiple Choice**

Identify the choice that best completes the statement or answers the question.

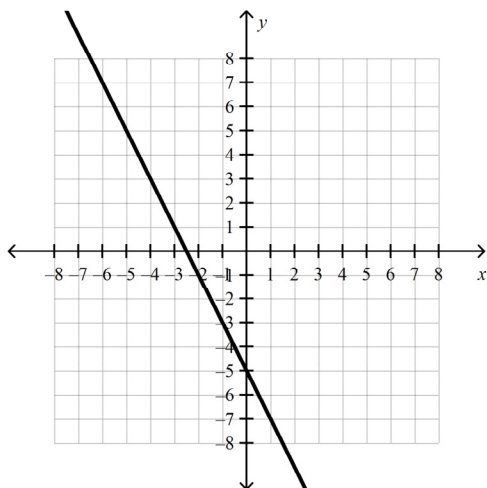
____ 1. Below is the graph of $f(x)$:



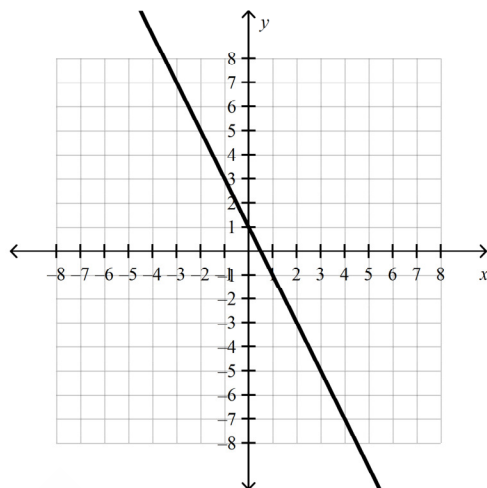
Which of the following shows the graph of $f(x) - 3$?

Name: _____

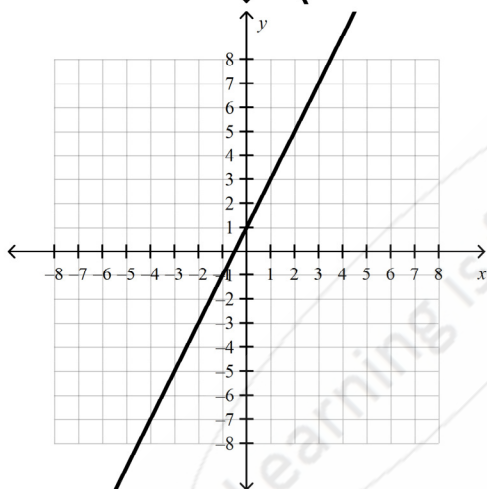
ID: A



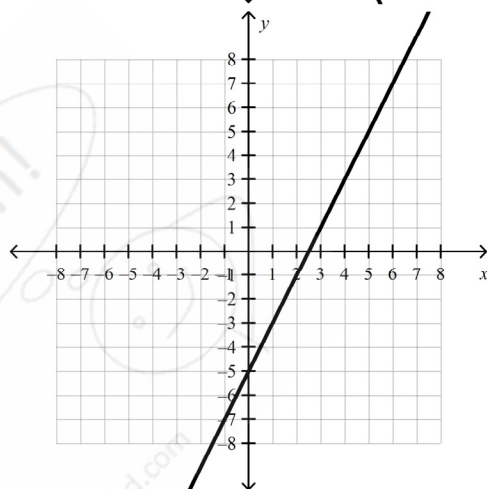
a.



c.

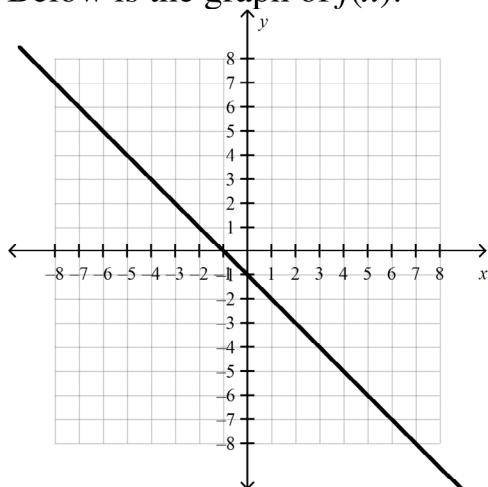


b.

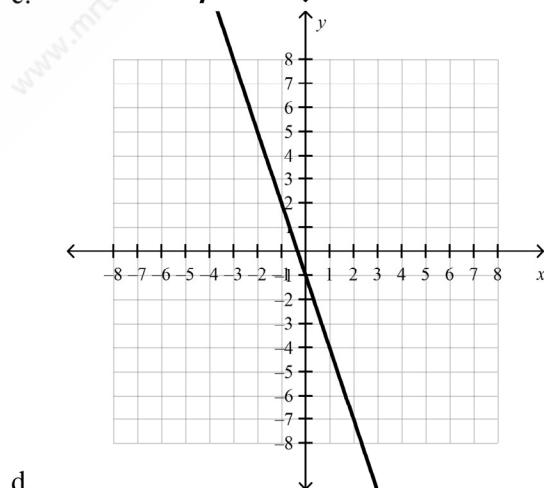
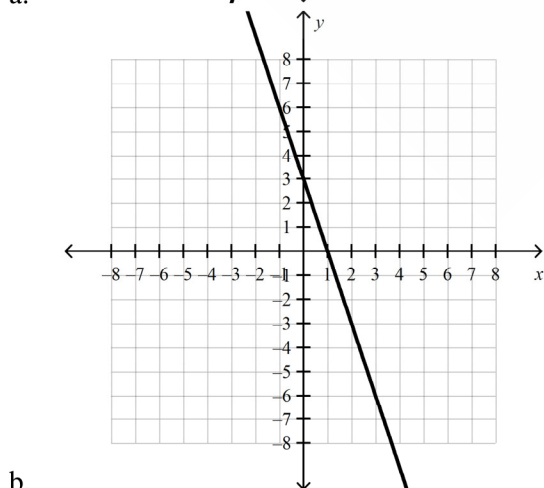
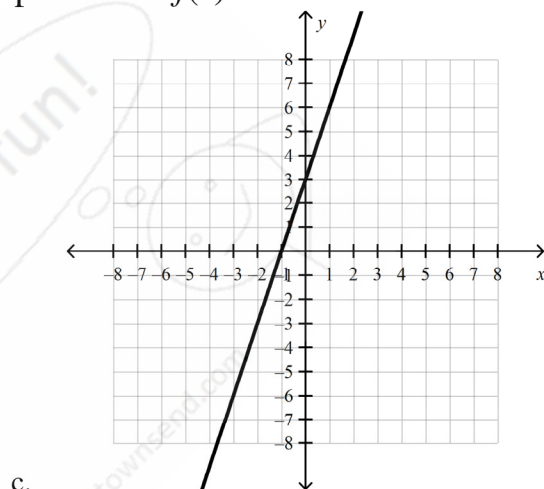
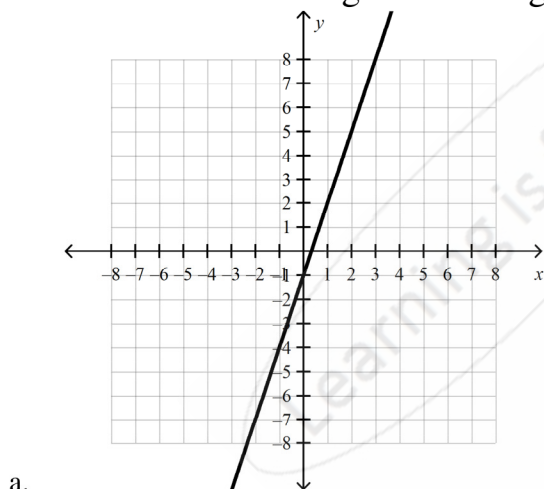


d.

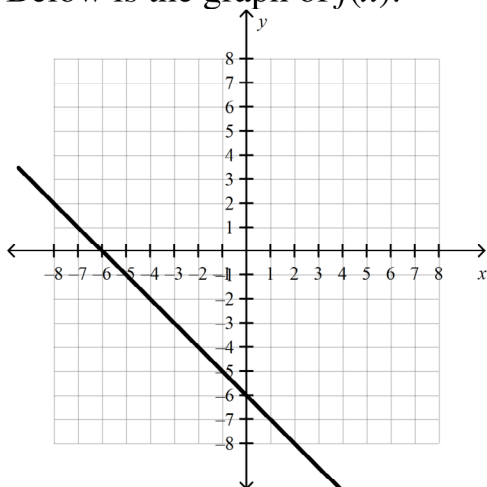
____ 2. Below is the graph of $f(x)$:



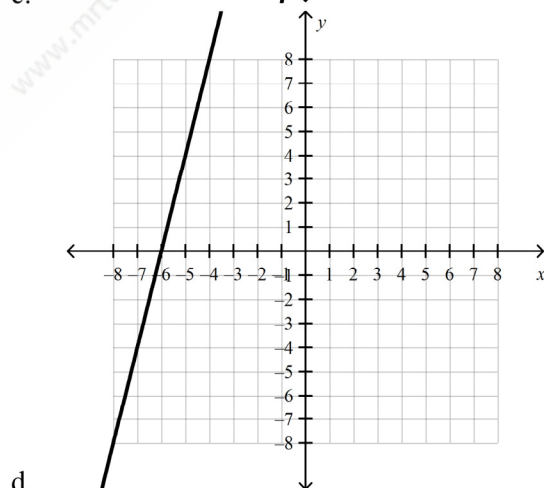
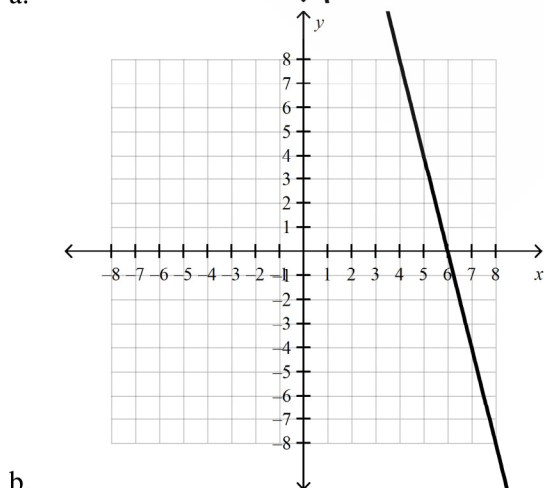
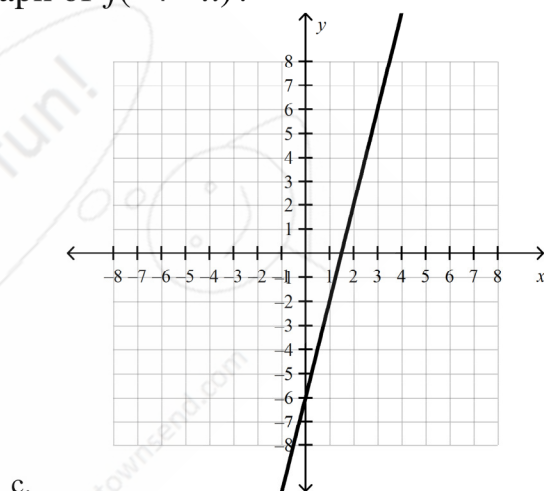
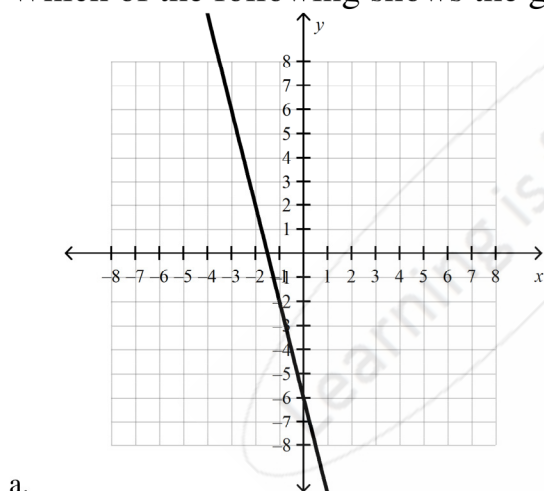
Which of the following shows the graph of $-3 * f(x)$?



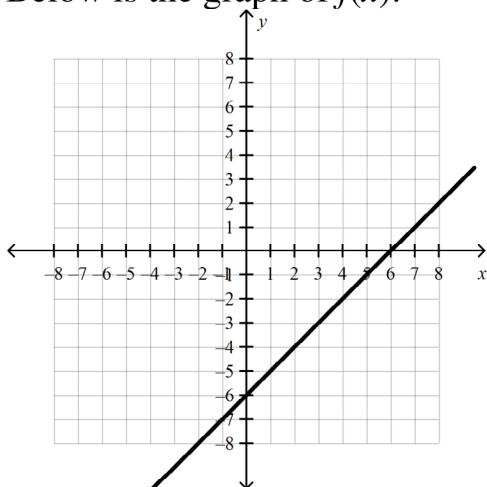
___ 3. Below is the graph of $f(x)$:



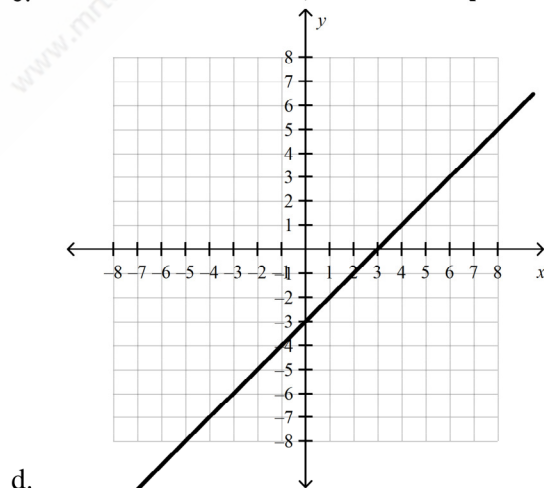
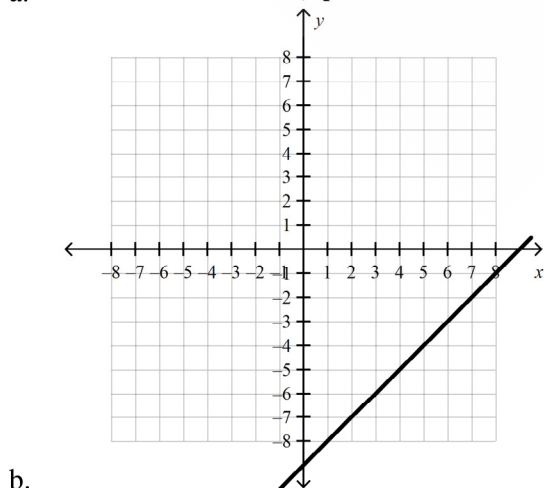
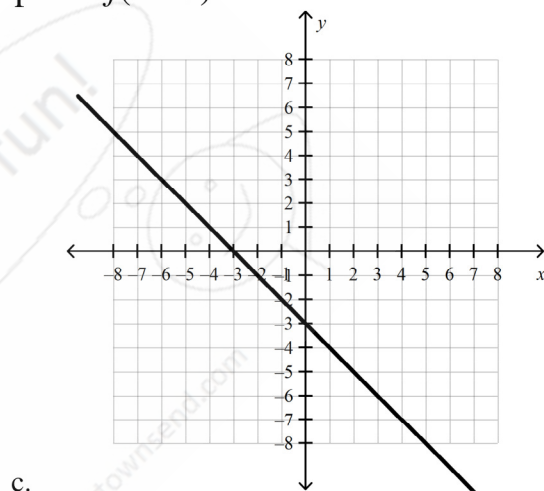
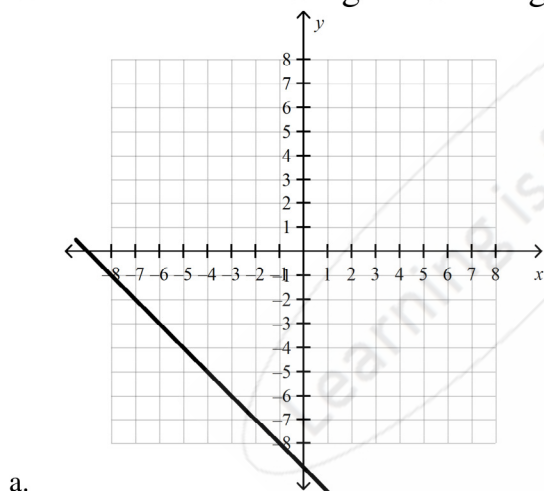
Which of the following shows the graph of $f(-4 * x)$?



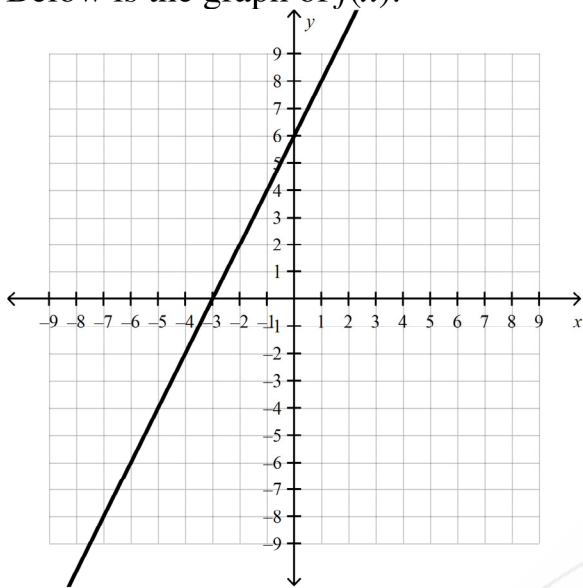
___ 4. Below is the graph of $f(x)$:



Which of the following shows the graph of $f(x+3)$?



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



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

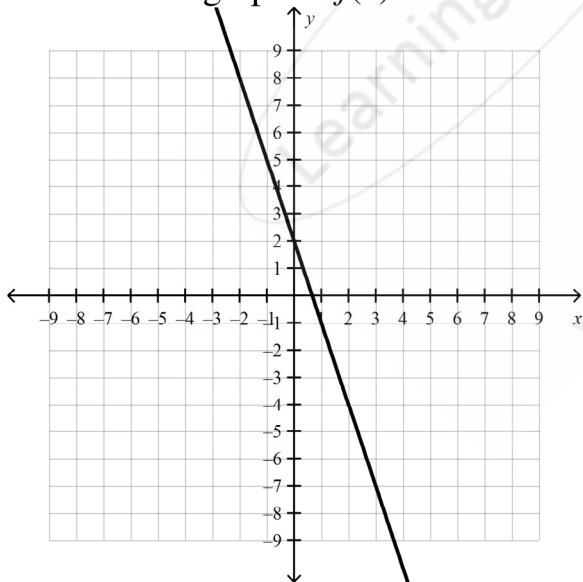
a. $f(x) + 3 = 2x + 3$

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

b. $f(x) + 3 = 2x + 9$

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

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



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

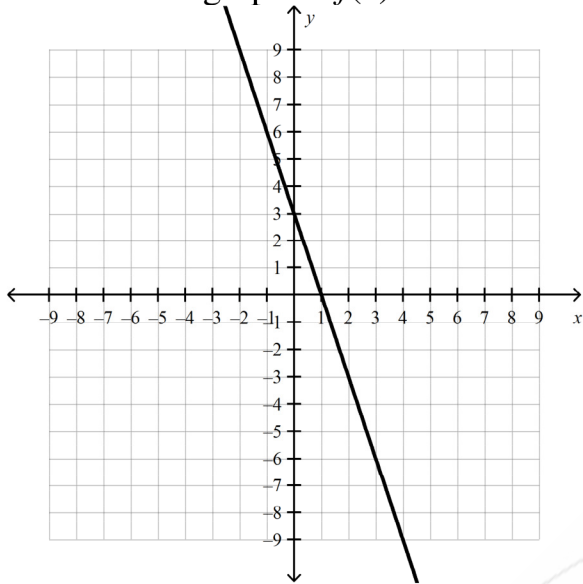
a. $5 * f(x) = -15x + 10$

c. $5 * f(x) = -3x + 10$

b. $5 * f(x) = -3x - 10$

d. $5 * f(x) = -15x - 10$

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



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

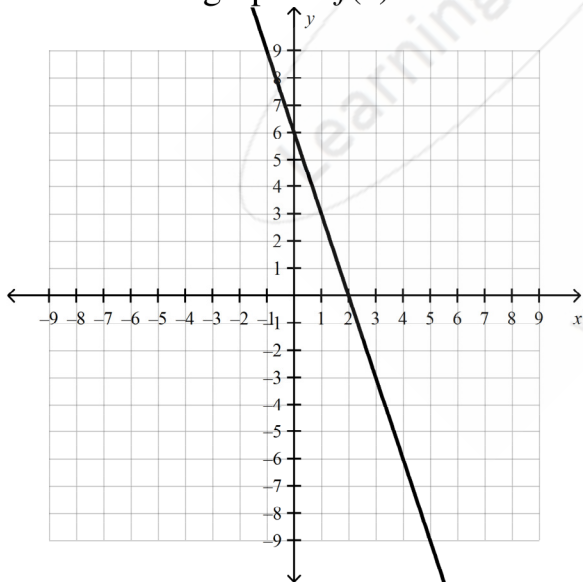
a. $f(3 * x) = 9x + 3$

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

b. $f(3 * x) = 9x + 9$

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

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



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

a. $f(x + 3) = 3x + 3$

c. $f(x + 3) = -3x + 3$

b. $f(x + 3) = -3x - 3$

d. $f(x + 3) = 3x - 3$

Transform linear functions
Answer Section

MULTIPLE CHOICE

- | | |
|-----------|--------|
| 1. ANS: D | PTS: 1 |
| 2. ANS: C | PTS: 1 |
| 3. ANS: C | PTS: 1 |
| 4. ANS: D | PTS: 1 |
| 5. ANS: B | PTS: 1 |
| 6. ANS: A | PTS: 1 |
| 7. ANS: D | PTS: 1 |
| 8. ANS: B | PTS: 1 |

