

NAME: _____

PER: _____

LINEAR TRANSFORMATIONS

Identify the given transformation

1. $f(x - 9)$

2. $f(x) - 10$

3. $2f(x)$

4. $f(3x)$

5. $-3f(x - 7)$

6. $f(x + 8) + 1$

7. $f(-x + 7)$

8. $2f(x - 9) + 10$

9. $f(x + 8) - 2$

10. $f(3x - 9) - 4$

FIND THE NEW EQUATION GIVEN THE TRANSFORMATIONS

$$f(x) = 3x - 2$$

$$g(x) = -2x + 4$$

11. $2 * h(x)$

12. $g(x - 5)$

13. $\frac{1}{2} * g(x)$

14. $f(x + 2)$

15. $g(x) + 5$