

NAME _____ DATE _____ PER. _____

TRANSFORMATION PRACTICE

Describe the change in $y = x^2$ (QUADRATIC) for each equation.

1) $y = (x - 6)^2$	
2) $y = -(x + 8)^2$	
3) $y = -(x - 2)^2$	
4) $y = -x^2$	
5) $y = -\frac{1}{4}x^2$	
6) $y = 2x^2$	
7) $y = (x + 3)^2$	
8) $y = x^2 + 5$	
9) $y = -7x^2$	
10) $y = x^2 - 1$	
11) $y = x^2 - 4$	
12) $y = \frac{1}{5}x^2$	

Describe the change in $y = x$ (LINEAR) for each equation.

1. $y = (x + 3) - 7$	
2. $y = x + 2$	
3. $y = -(x - 4) + 3$	
4. $y = (x + 5) + 1$	
5. $y = 3x$	
6. $y = -(x - 6) - 3$	
7. $y = -\frac{1}{4}x$	
8. $y = -(x + 4) + 2$	
9. $y = (x - 5)$	
10. $y = -x - 4$	
11. $y = (x + 3)$	
12. $y = (x - 8) + 5$	