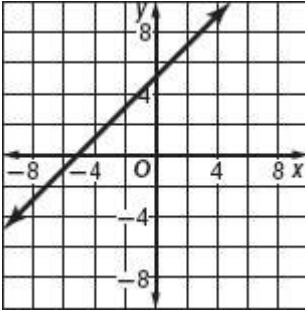


2.7 Parent Functions and Transformations

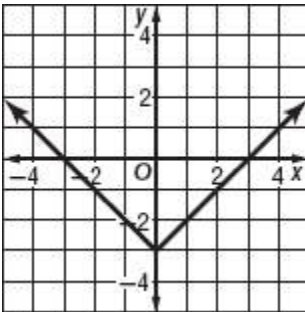
NAME _____ DATE _____ Class _____

A) Identify the type of function represented by each graph.

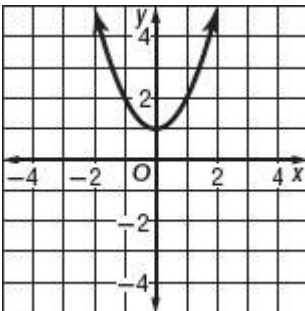
1.



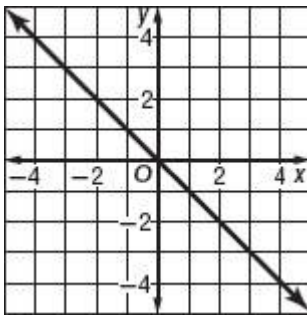
2.



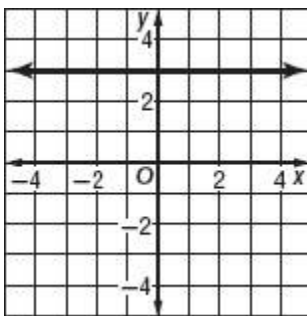
3.



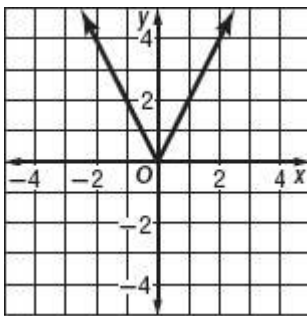
4.



5.

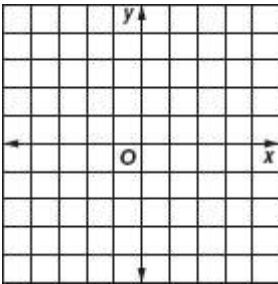


6.

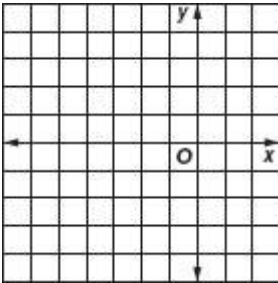


B) Describe the translation in each function. Then graph the function.

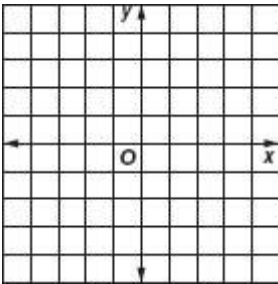
1. $y = x - 4$



2. $y = |x + 5|$

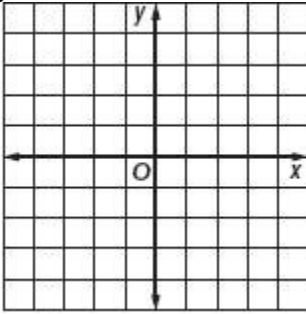


3. $y = x^2 - 3$



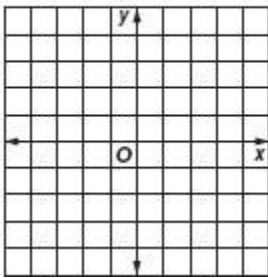
C) Describe the dilation in each function. Then graph the function.

1. $y = 5x$



2.

$$y = \frac{1}{2}|x|$$



3. $y = 2x^2$

