

## Functions: Lesson 6

# Parent Functions and Translations: Worksheet 1

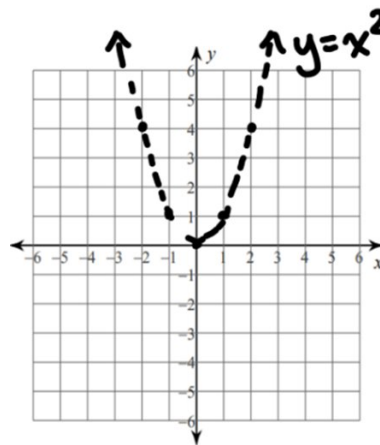
Name: \_\_\_\_\_



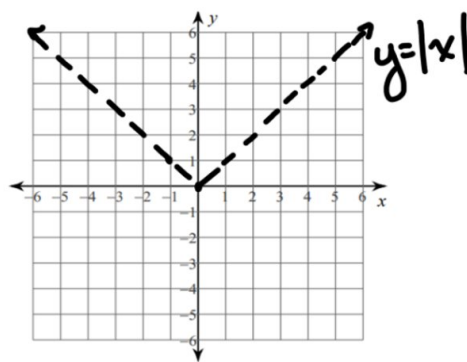
### Directions:

- 1) Name the parent function.
- 2) Describe the translation (how many units which way).
- 3) Draw the function on the graph.

$y = x^2 - 1$       Parent Function: \_\_\_\_\_  
Translation: \_\_\_\_\_



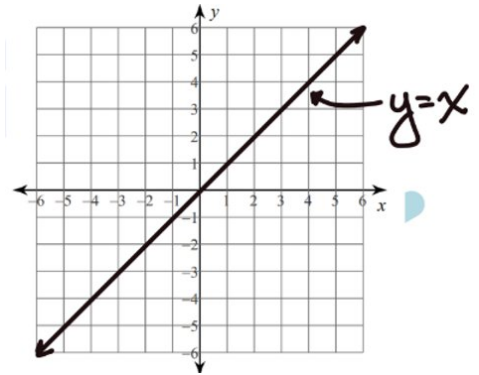
$y = |x + 3|$       Parent Function: \_\_\_\_\_  
Translation: \_\_\_\_\_



$$y = x + 2$$

Parent Function: \_\_\_\_\_

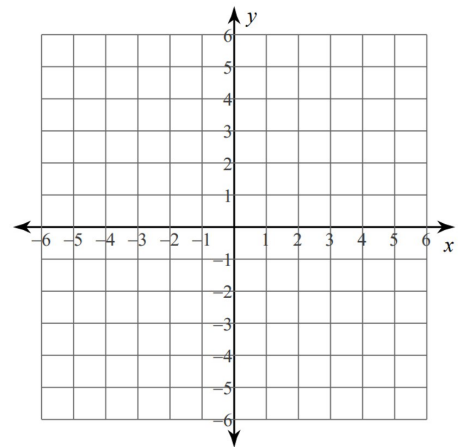
Translation: \_\_\_\_\_



$$y = |x| - 3$$

Parent Function: \_\_\_\_\_

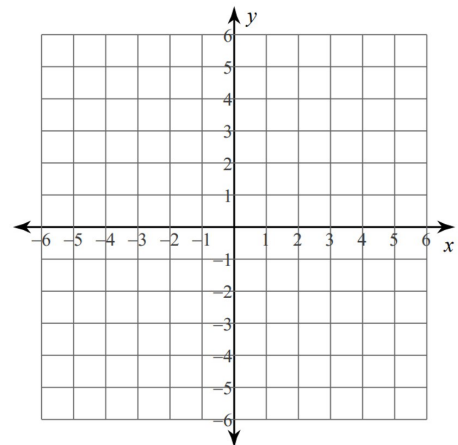
Translation: \_\_\_\_\_



$$y = x - 4$$

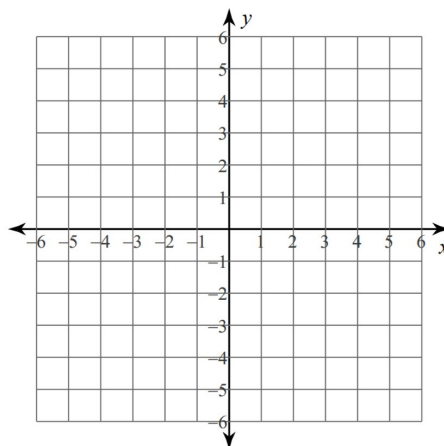
Parent Function: \_\_\_\_\_

Translation: \_\_\_\_\_



$y = (x - 2)^2 + 1$  Parent Function: \_\_\_\_\_

Translation: \_\_\_\_\_



$y = |x + 1| + 2$  Parent Function: \_\_\_\_\_

Translation: \_\_\_\_\_

