



Parent Functions

*Give the name of the parent function and describe the transformation represented.*

1)  $y = x^2 - 3$  Name: \_\_\_\_\_

Transformation: \_\_\_\_\_

2)  $y = \sqrt{x - 1}$  Name: \_\_\_\_\_

Transformation: \_\_\_\_\_

3)  $y = x^3 + 4$  Name: \_\_\_\_\_

Transformation: \_\_\_\_\_

4)  $y = \frac{1}{x+2}$  Name: \_\_\_\_\_

Transformation: \_\_\_\_\_

5)  $y = x^2 - 3$  Name: \_\_\_\_\_

Transformation: \_\_\_\_\_

6)  $y = x^3 + 4$  Name: \_\_\_\_\_

Transformation: \_\_\_\_\_

7)  $y = |x + 3|$  Name: \_\_\_\_\_

Transformation: \_\_\_\_\_

8)  $y = \frac{1}{x} - 4$  Name: \_\_\_\_\_

Transformation: \_\_\_\_\_

9)  $y = \sqrt{x + 6}$  Name: \_\_\_\_\_

Transformation: \_\_\_\_\_

10)  $y = 2x^3 - 8$  Name: \_\_\_\_\_

Transformation: \_\_\_\_\_

11)  $y = \frac{1}{x-9}$  Name: \_\_\_\_\_

Transformation: \_\_\_\_\_

12)  $y = |x - 8|$  Name: \_\_\_\_\_

Transformation: \_\_\_\_\_