

Parent Function Worksheet 1.9 & 2.9 Name _____ Pd. ____

1- 7 Give the name of the parent function and describe the transformation represented.

1. $g(x) = x^2 - 1$ Name: _____

Transformation: _____

2. $f(x) = 2|x-1|$ Name: _____

Transformation: _____

3. $h(x) = \sqrt{x-2}$ Name: _____

Transformation: _____

4. $g(x) = x^3 + 3$ Name: _____

Transformation: _____

5. $g(x) = \frac{1}{x+6}$ Name: _____

Transformation: _____

6. $f(x) = |x+5| - 2$ Name: _____

Transformation: _____

7. $h(x) = \frac{1}{x} - 5$ Name: _____

Transformation: _____

#8-12 Identify the domain and range of the function. Describe the transformation from its parent function.

8. $g(x) = 3\sqrt{x}$ Domain : _____ Range : _____

Transformation: _____

9. $h(x) = -x^2 + 1$ Domain : _____ Range : _____

Transformation: _____