

**Transformation Worksheet**      **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: \_\_\_\_\_

10.  $h(x) = -|x - 2|$       Domain : \_\_\_\_\_ Range : \_\_\_\_\_  
Transformation: \_\_\_\_\_

11.  $f(x) = \frac{3}{4}\sqrt{x}$       Domain : \_\_\_\_\_ Range : \_\_\_\_\_  
Transformation: \_\_\_\_\_

12.  $h(x) = 6(x + 9)^2$       Domain : \_\_\_\_\_ Range : \_\_\_\_\_  
Transformation: \_\_\_\_\_