Transformations of Functions Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Worksheet #6 Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_\_

Study the transformation on each graph. Then use the parent function and the transformation to write an equation for each graph.

1) 2) 3)

  

equation: \_\_\_\_\_\_\_\_\_\_\_\_ equation: \_\_\_\_\_\_\_\_\_\_\_\_ equation: \_\_\_\_\_\_\_\_\_\_\_\_

4) 5) 6)

  

equation: \_\_\_\_\_\_\_\_\_\_\_\_ equation: \_\_\_\_\_\_\_\_\_\_\_\_ equation: \_\_\_\_\_\_\_\_\_\_\_\_

7) 8) 9)

  

equation: \_\_\_\_\_\_\_\_\_\_\_\_ equation: \_\_\_\_\_\_\_\_\_\_\_\_ equation: \_\_\_\_\_\_\_\_\_\_\_\_

10) 11) 12)

  

equation: \_\_\_\_\_\_\_\_\_\_\_\_ equation: \_\_\_\_\_\_\_\_\_\_\_\_ equation: \_\_\_\_\_\_\_\_\_\_\_\_

Make up your own transformation examples. Draw the graph. Ask a partner to write the equation.

13) 14) 15)

  

equation: \_\_\_\_\_\_\_\_\_\_\_\_ equation: \_\_\_\_\_\_\_\_\_\_\_\_ equation: \_\_\_\_\_\_\_\_\_\_\_\_