Algebra 3-4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Block: \_\_\_\_\_

Level 2

**Graph the following. Describe the Transformation.**

1.

2.

Level 3

**Graph the following. Describe the Transformation.**

3.

4.

Level 4

5. A hammock that hangs between two trees   
makes a parabola shape that has the equation

, where x and y are   
measured in meters. If the hammock is attached   
to both trees at a height of 2 meters, how far away   
are the trees from one another? Round your   
answer to the nearest tenth.