Algebra 2 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_

HW #12 Absolute Value Transformations

If was transformed, what would the equation change to if:

|  |  |  |
| --- | --- | --- |
| 1. the graph moved down 2 units?
 | 1. the graph moved 1 unit to the right?
 | 1. the graph moved 4 units to the left?
 |
| 1. the graph had a vertex of (8, ½) ?
 | 1. the graph had a vertex of (1.5, 4.5)?
 | 1. the graph had a vertex of (-2.5, 3)
 |

Graph each transformation

|  |  |  |
| --- | --- | --- |
| 1. Reflect across the x – axis.

 |  |  |

Give the equation for each graph.

|  |  |
| --- | --- |
| 10)  | 11)  |