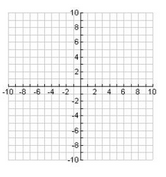
Algebra 2 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_

HW #9 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 WITHOUT A CALCULATOR

|  |  |  |
| --- | --- | --- |
| 1. Reflect across the x – axis and write the new function below |  |  |

Write the equation for each graph below.

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