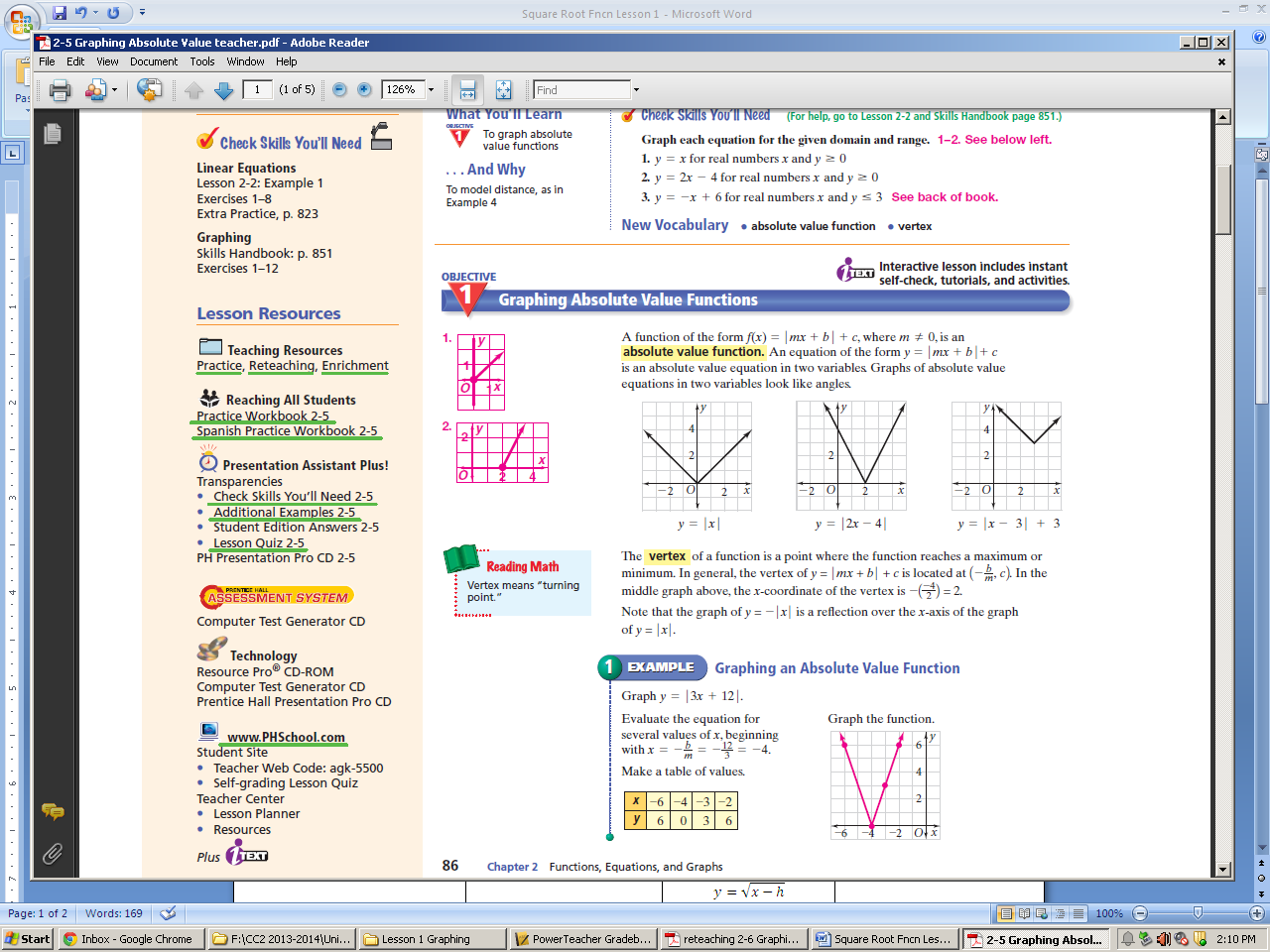
Common Core Math 3 Name Date

Absolute Value Function

**The parent Absolute Value function is:**

As with all other functions we have learned, Absolute value functions can be transformed.

**Key Features of Absolute Value Functions**

Characteristic Points for

Domain:

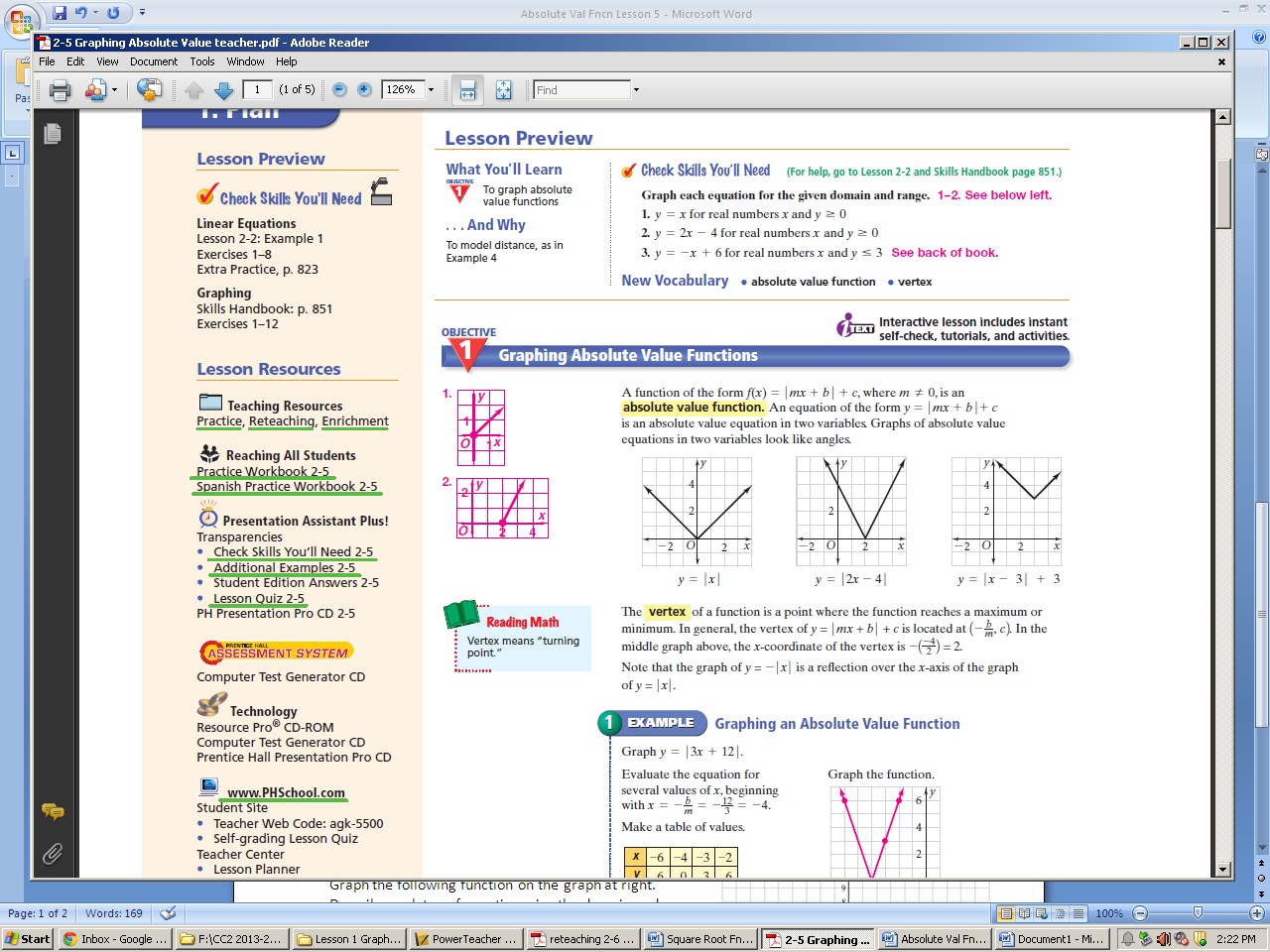
Range:

Intercept:

**Fill in the table below with a description of what happens to the parent function when the following transformations are performed.**

|  |  |
| --- | --- |
| **Parent Function** |  |

|  |  |
| --- | --- |
| **Description** | **Transformation** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**Let’s look at the following example.**

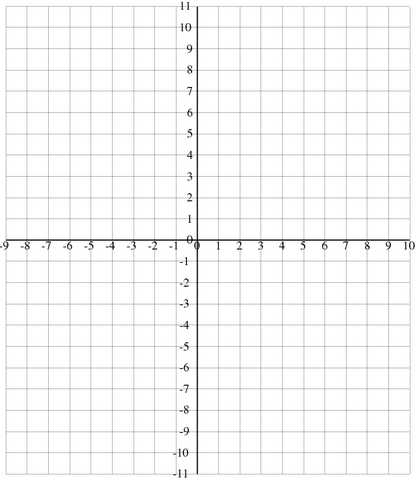
The graph on the right represents a transformation of the graph of

The description is as follows:



Domain:

Range:

**TRY NOW**

Graph the following function on the graph at right. Describe each transformation, give the domain and range, and identify any asymptotes.

Description:

Domain:

Range: