$\qquad$

## Graphing Absolute Value Functions Continued [Group A]

Directions: Graph each absolute value function. Then state the domain and range for each. You may work with anyone in group A.


When you are done... You have group B's answers on the back of this page! Find someone from group B (they have your solutions), and check each other's work. Let me know if you have any questions. Then see if you can come up with a generalization for the domain and range of absolute value functions! ©

## Graphing Absolute Value Functions Continued [Group B]

Directions: Graph each absolute value function. Then state the domain and range for each. You may work with anyone in group B.


When you are done... You have group A's answers on the back of this page! Find someone from group A (they have your solutions), and check each other's work. Let me know if you have any questions. Then see if you can come up with a generalization for the domain and range of absolute value functions! ©

## Group A's Solutions:

|  <br> Domain: $(-\infty, \infty)$ <br> Range: $[-5, \infty)$ |  <br> Domain: $(-\infty, \infty)$ <br> Range: $(-\infty, 8]$ |
| :---: | :---: |
|  <br> Domain: $(-\infty, \infty)$ <br> Range: $[-2, \infty)$ |  <br> Domain: $(-\infty, \infty)$ <br> Range: $[4, \infty)$ |

$\star$ What generalizations can you make regarding the domain and range of absolute value functions?
$\qquad$
created these functions, and
graphed/identified the functions.

| Choose any values for $A, B, C$, and $D$ to create an <br> absolute value function. | Sketch a graph of any absolute value function <br> (make sure the slope is 1). |
| :--- | :--- |


$\qquad$ created these functions, and
graphed/identified the functions.


