

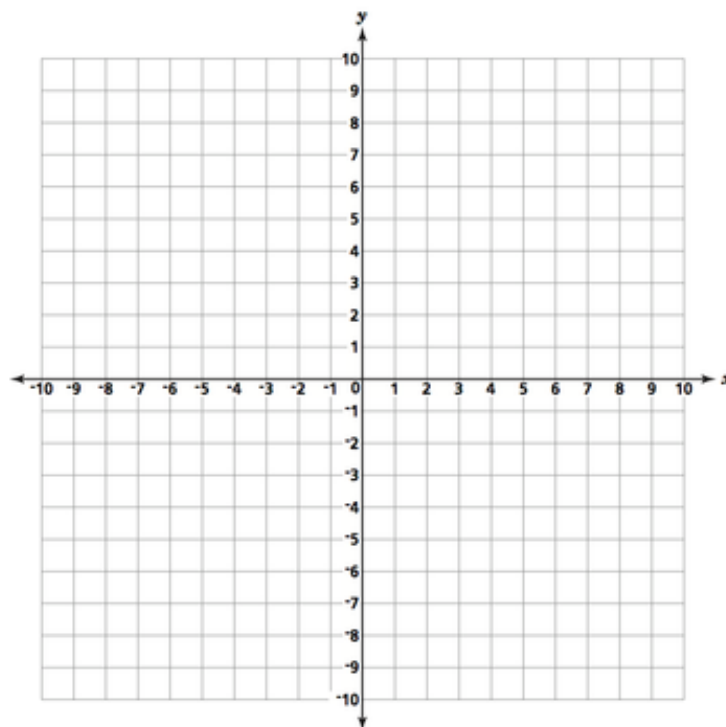
Name \_\_\_\_\_ Date \_\_\_\_\_

Algebra 1B

### 8.13 Graphing Piecewise Functions NOTES

A piecewise function is a function built from pieces of different functions over different intervals.

**Example 1:**  $f(x) = \begin{cases} 3 & \text{if } x < 0 \\ 2x + 3 & \text{if } x \geq 0 \end{cases}$



**Example 2:**  $f(x) = \begin{cases} -x^2 + 4 & \text{if } x < 2 \\ x - 2 & \text{if } x \geq 2 \end{cases}$

