

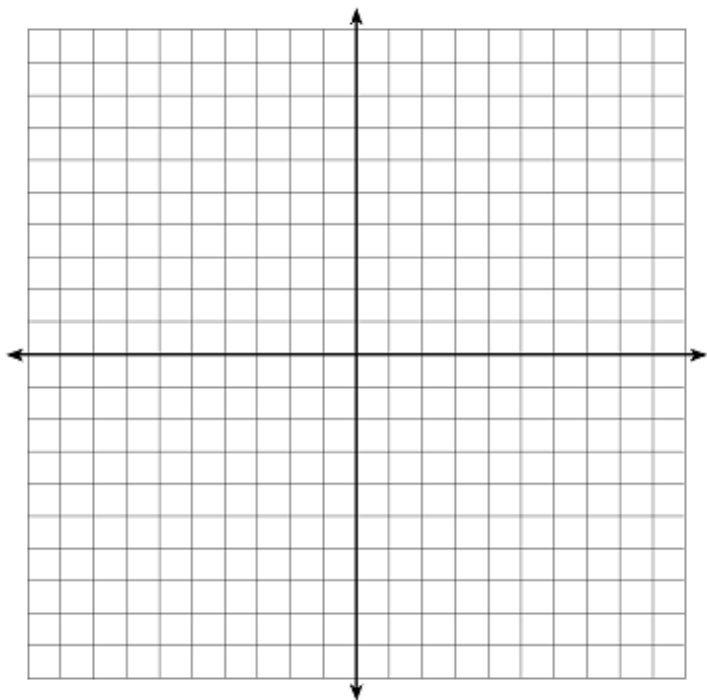
Name: _____ Date: _____ Period: _____

Intermediate Algebra

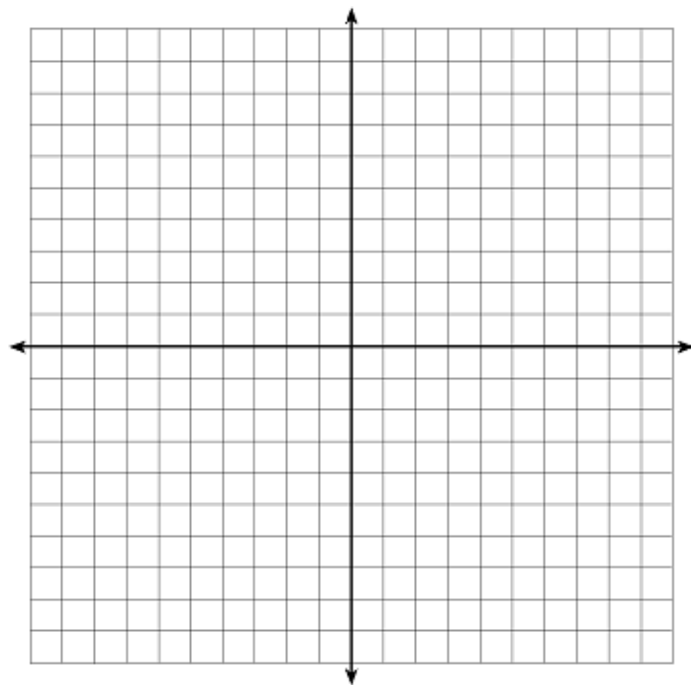
4.3 B – Graphing Piecewise Functions

Graph the following.

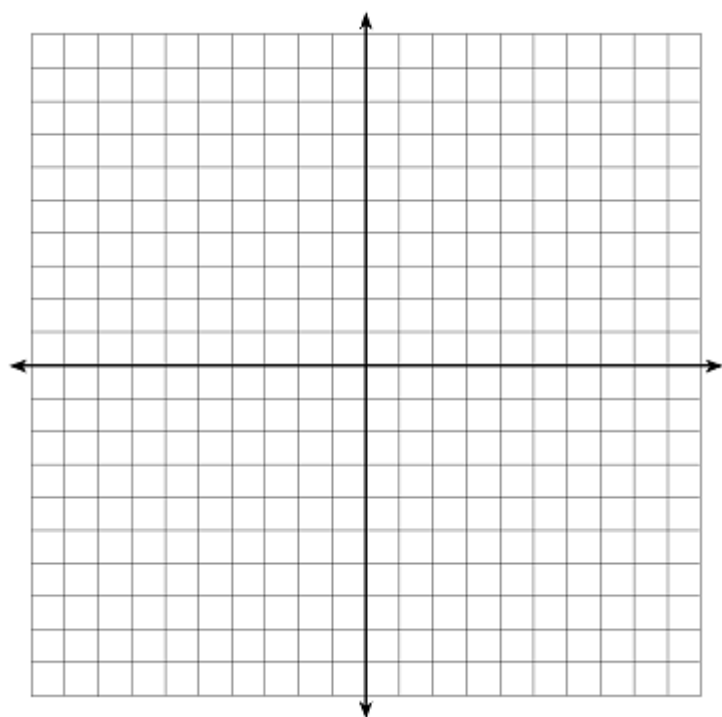
$$f(x) = \begin{cases} \frac{1}{2}x & \text{if } x < 4 \\ x - 3 & \text{if } x \geq 4 \end{cases}$$



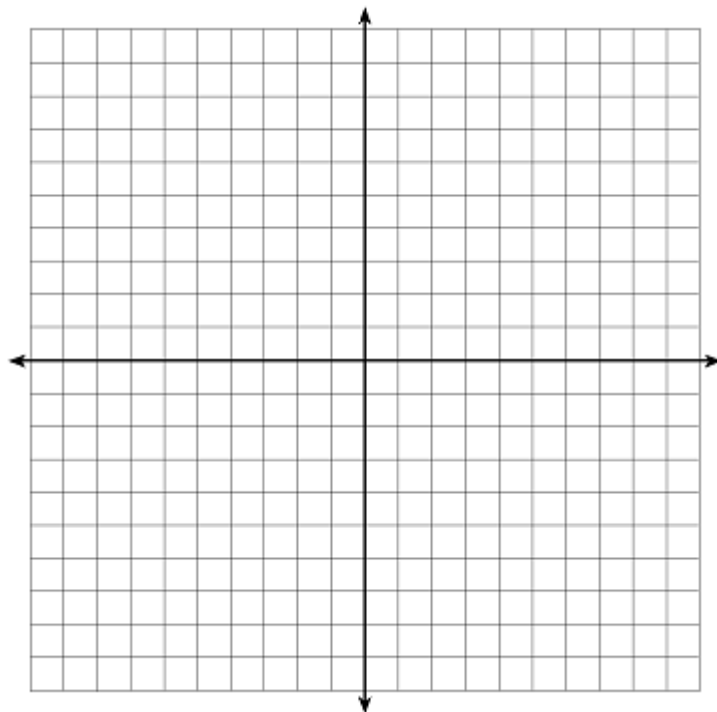
$$f(x) = \begin{cases} \frac{1}{2}x & \text{if } x < 4 \\ x - 2 & \text{if } x \geq 4 \end{cases}$$



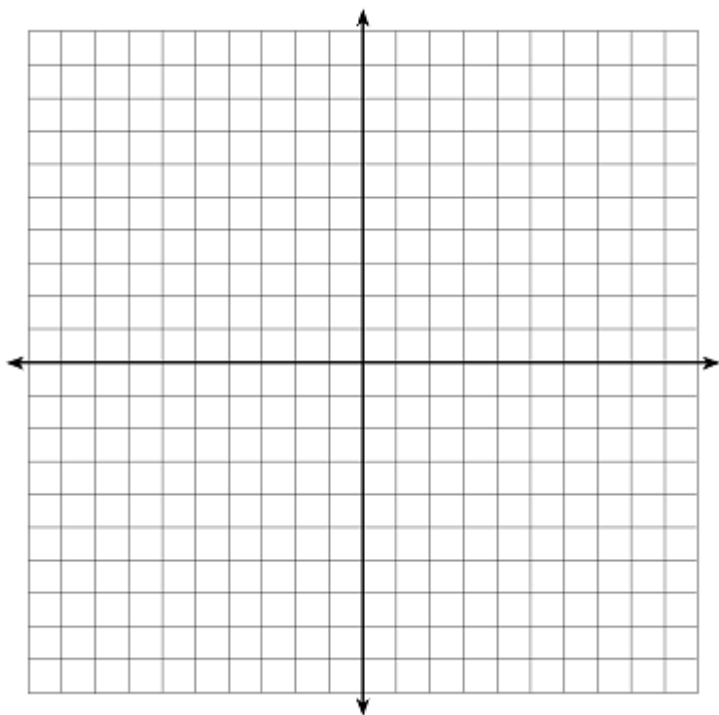
$$f(x) = \begin{cases} \frac{1}{3}x & \text{if } x < 3 \\ -x + 1 & \text{if } x > 3 \end{cases}$$



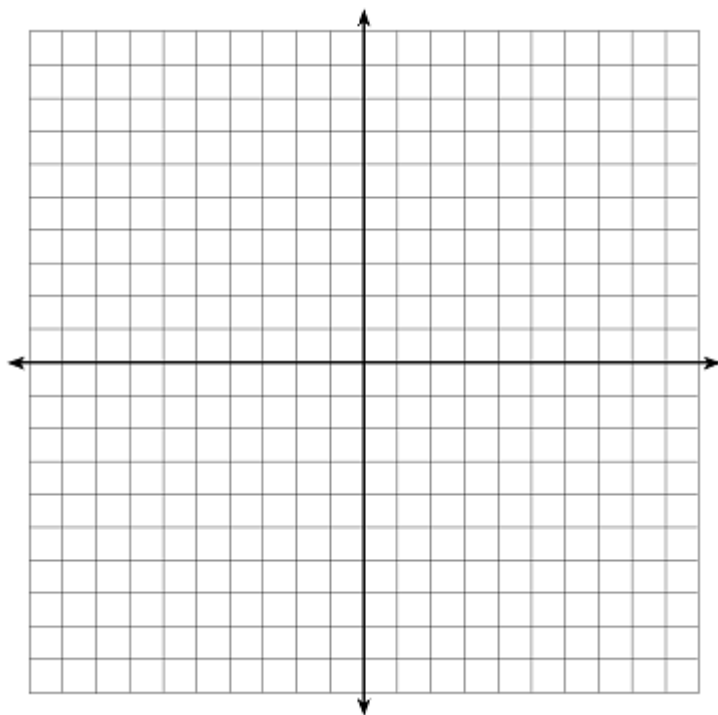
$$f(x) = \begin{cases} -x & \text{if } x < -1 \\ -2 & \text{if } -1 \leq x < 2 \\ 2x & \text{if } x \geq 2 \end{cases}$$



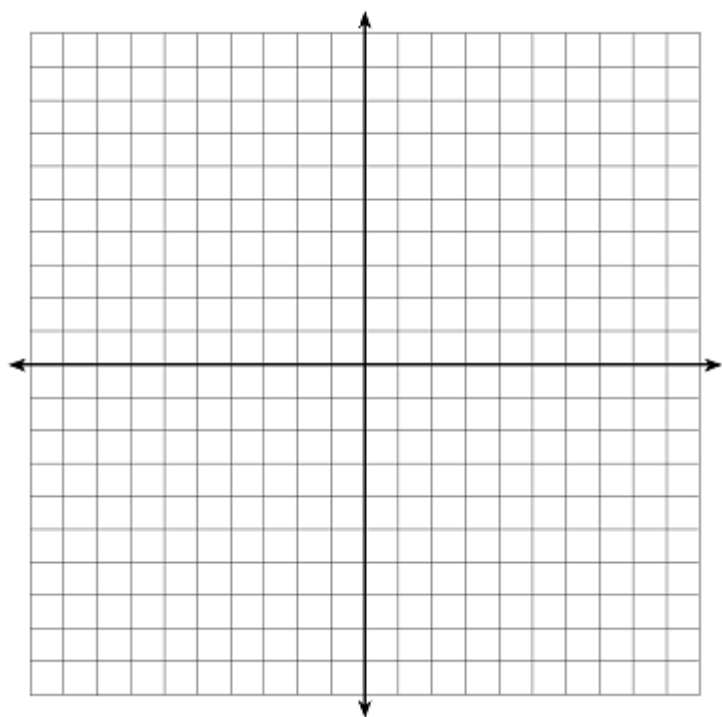
$$f(x) = \begin{cases} 3 - x & \text{if } x \leq -2 \\ 2x & \text{if } -2 \leq x < 3 \\ 5 & \text{if } x > 3 \end{cases}$$



$$f(x) = \begin{cases} x & \text{if } x > 1 \\ 4 & \text{if } -1 < x < 1 \\ -x & \text{if } x < -1 \end{cases}$$



$$f(x) = \begin{cases} x & \text{if } x > 1 \\ -x & \text{if } -1 < x < 1 \\ x & \text{if } x < -1 \end{cases}$$



$$f(x) = \begin{cases} 5 & \text{if } -6 < x < -2 \\ 4 & \text{if } -1 < x < 3 \\ x - 4 & \text{if } 0 < x \leq 5 \end{cases}$$

