

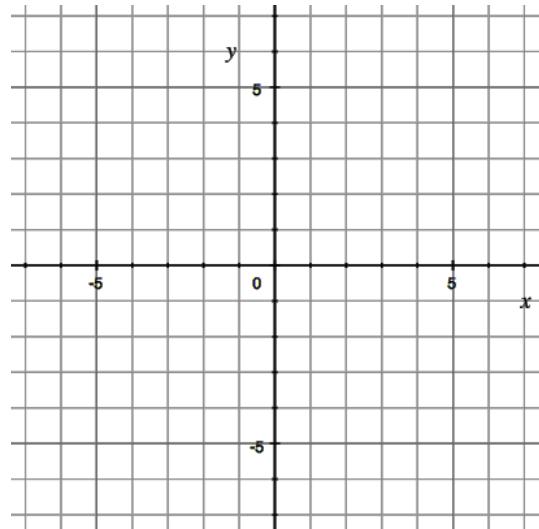
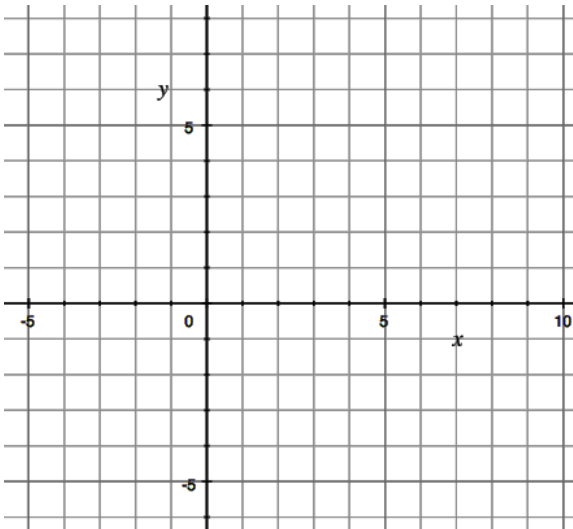
Number:
Title:

Textbook Section:

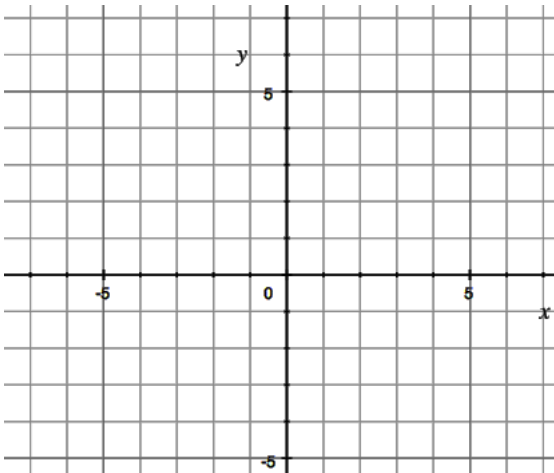
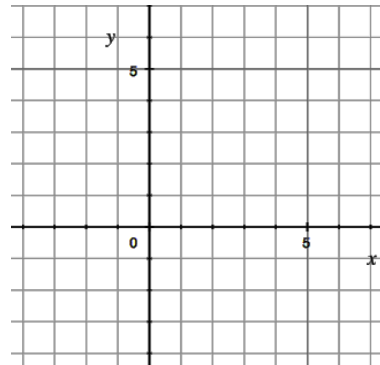
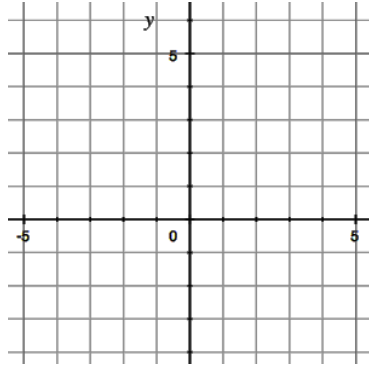
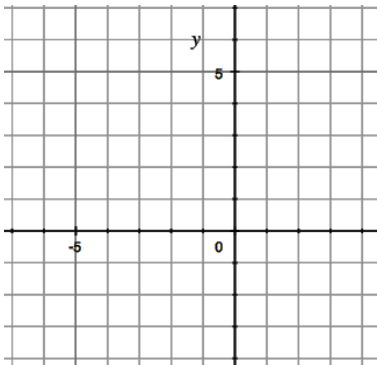
Sketch the graph of each piecewise-defined function.

1. $f(x) = \begin{cases} 3 & \text{if } x \leq 4 \\ 3x - 9 & \text{if } x > 4 \end{cases}$

2. $h(x) = \begin{cases} 3x + 2 & \text{if } x < 1 \\ -2x + 5 & \text{if } x \geq 1 \end{cases}$



$$3. \quad g(x) = \begin{cases} \frac{1}{2}x + 5 & \text{if } x < -2 \\ x^2 & \text{if } -2 \leq x \leq 2 \\ \frac{1}{2}x + 3 & \text{if } x > 2 \end{cases}$$



4. Write a piecewise function for the given graph.

