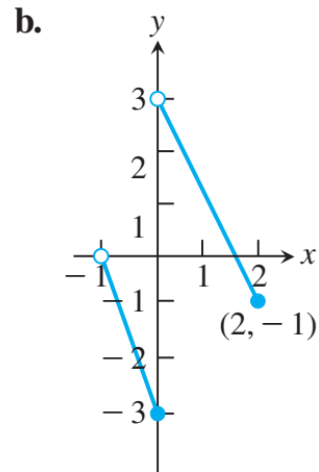
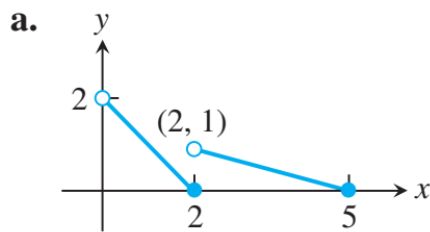


Exercise 30

Find a formula for each function graphed in Exercises 29–32.



Solution

$$\mathbf{a.} \quad y = \begin{cases} 2 - x & \text{if } 0 < x \leq 2 \\ -\frac{1}{3}(x - 5) & \text{if } 2 < x \leq 5 \end{cases}$$

$$\mathbf{b.} \quad y = \begin{cases} -3 - 3x & \text{if } -1 < x \leq 0 \\ 3 - 2x & \text{if } 0 < x \leq 2 \end{cases}$$