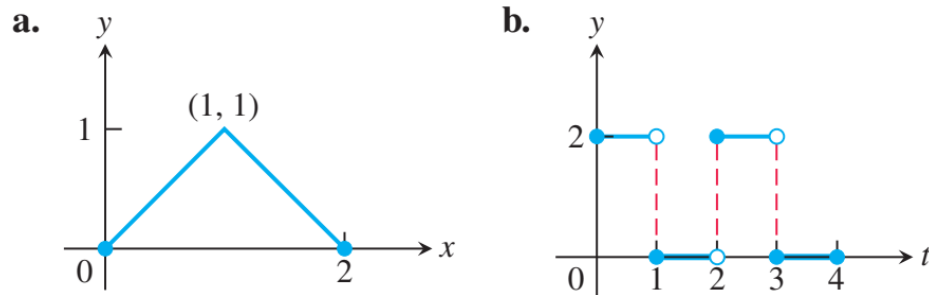


Exercise 29

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



Solution

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

$$\mathbf{b.} \quad y = \begin{cases} 2 & \text{if } 0 \leq x < 1 \\ 0 & \text{if } 1 \leq x < 2 \\ 2 & \text{if } 2 \leq x < 3 \\ 0 & \text{if } 3 \leq x \leq 4 \end{cases}$$