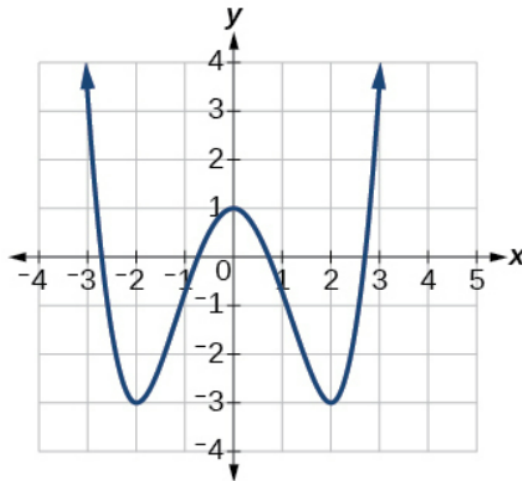


Exercise 53

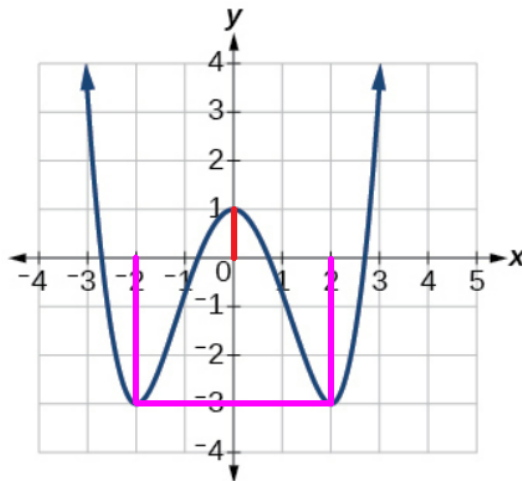
Given the following graph,

- (a) Evaluate $f(0)$.
- (b) Solve for $f(x) = -3$.



Solution

The values are found from the graph. $f(0)$ is the y -value associated with $x = 0$, and $f(x) = -3$ is asking for the x -value(s) associated with $y = -3$.



(a) : $f(0) = 1$

(b) : $x = \{-2, 2\}$