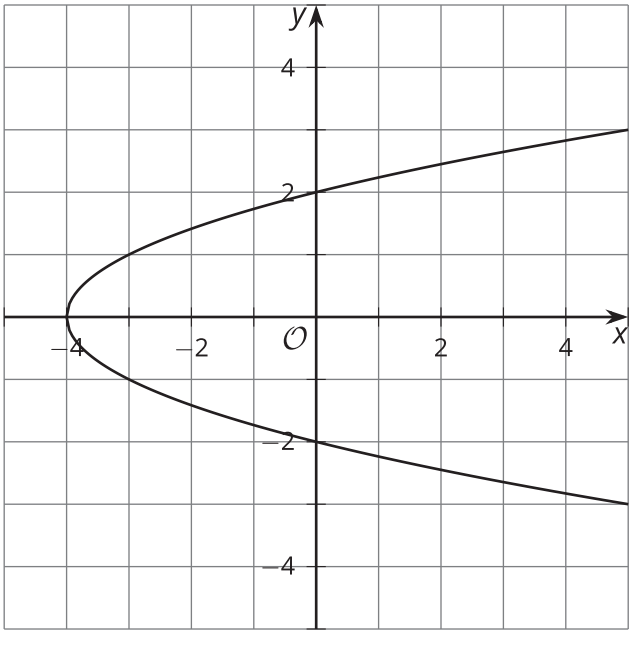
Lesson 3: Using Function Notation

- Let's use function notation to talk about points.

3.1: Which One Doesn't Belong: Function Notation

Which one doesn't belong?

- $f(0) = 2$
- $(0, 5)$
- $y = x + 2$
- 

3.2: Points into Function Notation and Back

1. A function is given by the equation $y = f(x)$. Write each of these coordinate pairs in function notation.
   a. $(2, 3)$

   b. $(-1, 4)$

   c. $(0, 3)$

   d. $(4, 0)$

e. $\left(\frac{2}{3}, \frac{3}{4}\right)$

2. A function is given by the equation $h(x) = 5x - 3$. Write the coordinate pair for the point associated with the given values in function notation.

   a. $h(3)$

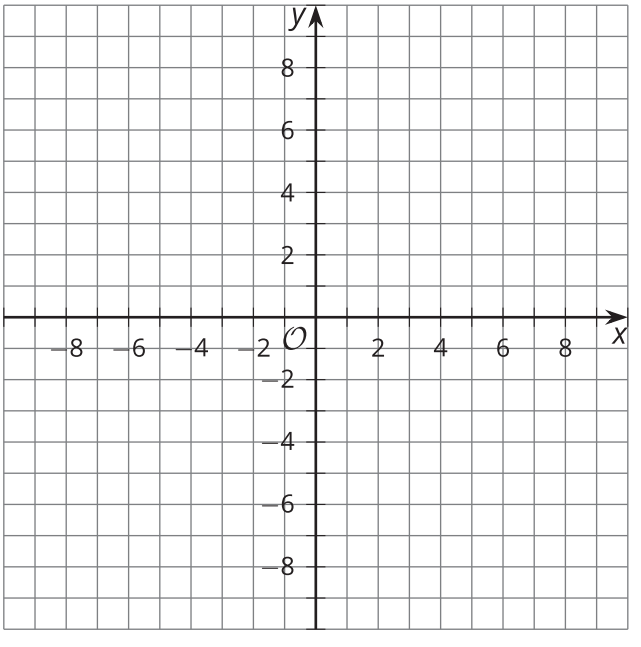
   b. $h(-4)$

   c. $h\left(\frac{2}{5}\right)$

3.3: A Graph with Properties

1. Draw a graph of function $y = g(x)$ that has these properties:

   - $g(0) = 2$
   - $g(1) = 3$
   - $(2, 3)$ is on the graph
   - $g(5) = -1$



2. Han draws this graph for $g(x)$. What is the error?