## Unit 4 Lesson 3: Using Function Notation

### 1 Which One Doesn’t Belong: Function Notation (Warm up)

#### Student Task Statement

Which one doesn’t belong?

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

### 2 Points into Function Notation and Back

#### Student Task Statement

1. A function is given by the equation $y=f(x)$. Write each of these coordinate pairs in function notation.
	1. $(2,3)$
	2. $(-1,4)$
	3. $(0,3)$
	4. $(4,0)$
	5. $\left(\frac{2}{3},\frac{3}{4}\right)$
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.
	1. $h(3)$
	2. $h(-4)$
	3. $h\left(\frac{2}{5}\right)$

### 3 A Graph with Properties

#### Student Task Statement

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
	* $g(5)=-1$
* 
1. Han draws this graph for $g(x)$. What is the error?
* 

#### Activity Synthesis





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