Algebra 1

3.6

y= Kx

y= Kx + 3

Write an equation for a proportional relationship Write an equation for a nonproportional relationship linear

slope

constant of variation

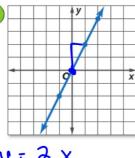
y-intercept directly proportional proportional nonproportional whiteboards(?)

matching activ.

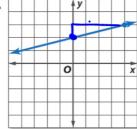
### KeyConcept Proportional Relationship

Words

A relationship is proportional if its equation is of the form  $y = kx, k \neq 0$ . The graph passes through (0, 0).



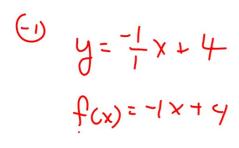
8.

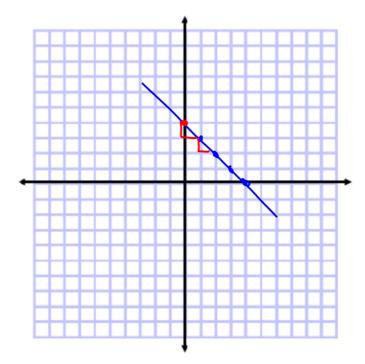


#### **Guided**Practice

**2.** Write an equation in function notation for the relation shown in the table.

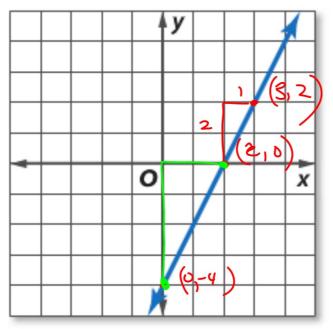
A.	ж	1	2	3	4
	V	3	2	1	0





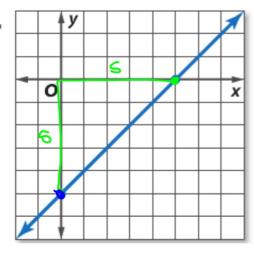
#### Whiteboards

**B.** Write an equation in function notation for the graph.



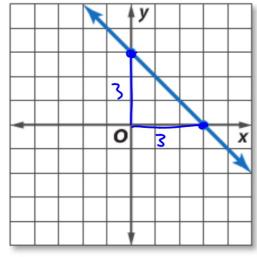
# Write an equation in function notation

2.



$$m = \frac{5}{5} = 1$$
  
 $y = 1 \times -5$   
 $f(x) = X - 5$ 

3.



$$-\frac{3}{3}$$
  $y=-1x+3$ 

## Write an equation in function notation

