Algebra 1 3.6 $y = k \times$ Write an equation for a proportional relationship
Write an equation for a nonproportional relationship
linear $y = m \times + k$ slope
constant of variation
y-intercept Quiz 3.4-3.5
directly proportional
proportional
nonproportional
whiteboards(?)

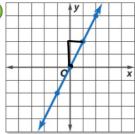
Words

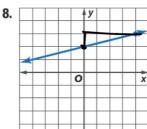
A relationship is proportional if its equation is of the form y = kx, $k \neq 0$. The graph passes through (0, 0).

yes



y = 2 x





 \sim 0

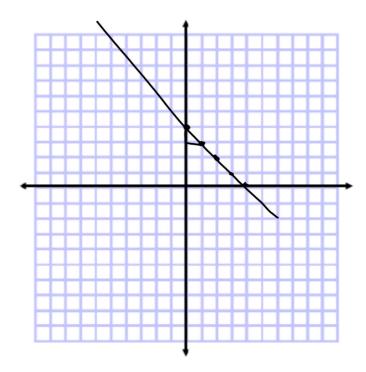
Nonproportional Relationships Some linear equations can represent a nonproportional relationship. If the ratio of the value of x to the value of y is different for select ordered pairs that are on the line, the equation is nonproportional and the graph will not pass through (0, 0).

GuidedPractice

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

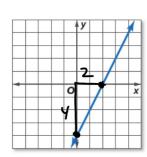
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A.	ж	1	2	3	4	0
	У	3	2	1	0	B



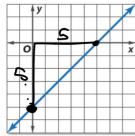
Whiteboards

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

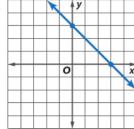


Write an equation in function notation

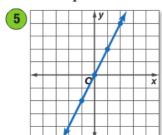
2.

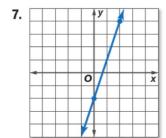






Write an equation in function notation





phone . 05 per text 35.00

y = .05 to + 35.00

Tale Starting 1-7 p. 46

Change