Name _____ Date _____

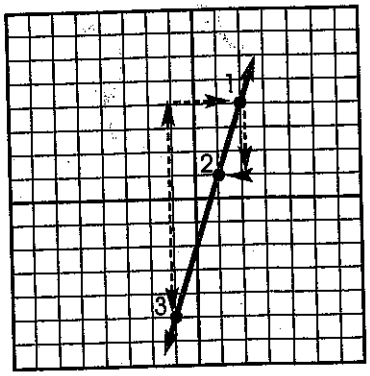
# Finding the Slope of a Line

1. Slope = $\frac{\text{vertical change}}{\text{horizontal change}}$

Identify the slope of the line using the graph.

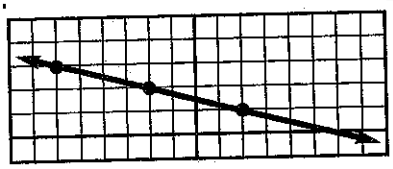
Using points 1 & 2
vertical change = $^{-}3$
horizontal change = $^{-}1$

slope = $\frac{^{-}3}{^{-}1} = 3$

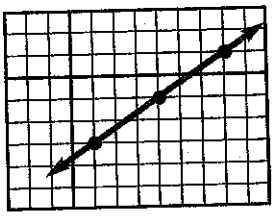



Find the slope.

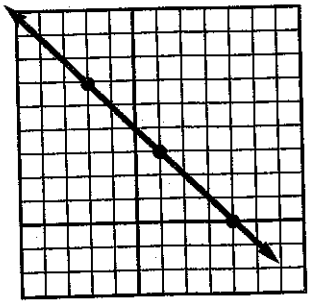
1.



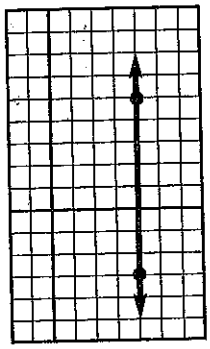
2.



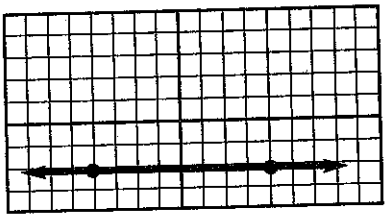
3.



4.



5.



1. Slope = $\frac{\text{change in } y\text{-values}}{\text{change in } x\text{-values}} = \frac{y_2 - y_1}{x_2 - x_1}$

Find the slope of the line passing through the given points.

$(^{-}1, 5)$ $(3, ^{-}2)$

slope = $\frac{^{-}2 - 5}{3 - (^{-}1)} = \frac{^{-}7}{4}$

6. (0,0) (3,5)
7. (5,$^{-}$2) ($^{-}$7,4)
8. ($^{-}$6,3) ($^{-}$2,$^{-}$9)
9. (6,$^{-}$9) ($^{-}$4,3)
10. ($^{-}$3,$^{-}$11) (2,$^{-}$7)
11. (7,3) ($^{-}$8,3)
12. (0,0) (4,$^{-}$3)
13. ($^{-}$2,$^{-}$3) (2,5)
14. ($^{-}$4,8) ($^{-}$4,$^{-}$3)





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