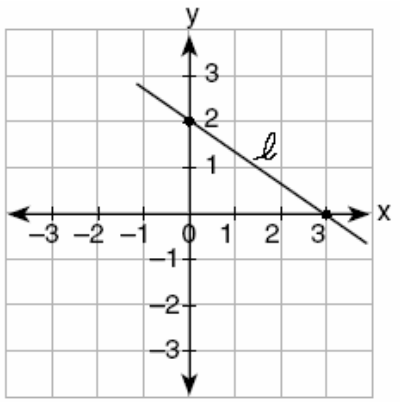
# Lesson 6-1: Rate of Change and Slope

## Part 2: Finding Slope

1. fall0716ia, P.I. A.A.33
What is the slope of the line containing the points (3,4) and (-6,10)?

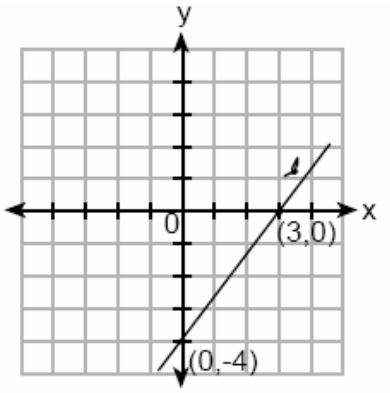
[A] $-\frac{2}{3}$ [B] 2 [C] $\frac{1}{2}$ [D] $-\frac{3}{2}$

2. 010115a, P.I. 8.G.13
What is the slope of line $\ell$ in the accompanying diagram?




[A] $\frac{2}{3}$ [B] $-\frac{3}{2}$ [C] $\frac{3}{2}$ [D] $-\frac{2}{3}$

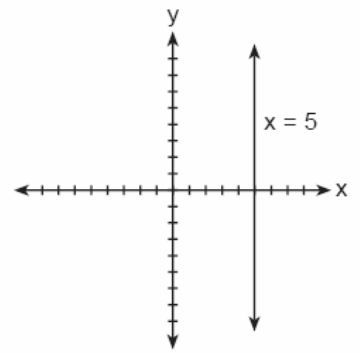
3. 069918a, P.I. 8.G.13
What is the slope of line $\ell$ shown in the accompanying diagram?




[A] $-\frac{4}{3}$ [B] $\frac{4}{3}$ [C] $\frac{3}{4}$ [D] $-\frac{3}{4}$

4. 060012a, P.I. A.A.37

The accompanying figure shows the graph of the equation $x = 5$.




What is the slope of the line $x = 5$?

[A] -5 [B] 5 [C] 0 [D] undefined

5. 060618a

If a line is horizontal, its slope is

[A] negative [B] undefined

[C] 0 [D] 1

6. 080728a

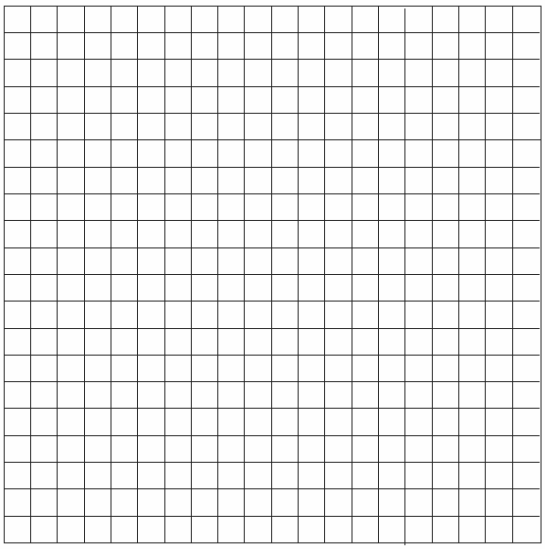
Line segment $AB$ has a slope of $\frac{3}{4}$. If the coordinates of point $A$ are (2,5), the coordinates of point $B$ could be

[A] (5,9) [B] (6,8)

[C] (6,2) [D] (-1,1)

7. 010024a

A straight line with slope 5 contains the points (1,2) and (3,$K$). Find the value of $K$. [The use of the accompanying grid is optional.]



[1] A

[2] D

[3] B

[4] D

[5] C

[6] B

[7] [2] 12 and an appropriate explanation is given.
[1| The student uses an appropriate method, such as showing $\frac{k-2}{3-1}=5$ or graphing of a line through (1,2) having a slope of 5, but the correct answer is not found.
or [1] 12 and no explanation is given.
[0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously incorrect procedure.