NAME:_____

1. 080417a, P.I. A.A.32
If the value of dependent variable y increases as the value of independent variable x increases, the graph of this relationship could be a

[A] line with a negative slope

[B] horizontal line [C] vertical line

[D] line with a positive slope

2. 080823a, P.I. A.A.32
In a linear equation, the independent variable increases at a constant rate while the dependent variable decreases at a constant rate. The slope of this line is

[A] negative [B] zero

[C] positive [D] undefined

3. 060618a
If a line is horizontal, its slope is

[A] 1 [B] negative

[C] undefined [D] 0

4. 010913ia, P.I. A.A.33
What is the slope of the line that passes through the points (2,5) and (7,3)?

[A] $-\frac{2}{5}$ [B] $\frac{9}{8}$ [C] $-\frac{5}{2}$ [D] $\frac{8}{9}$

5. 060820ia, P.I. A.A.33
What is the slope of the line that passes through the points $(-6,1)$ and $(4,-4)$?

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

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

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

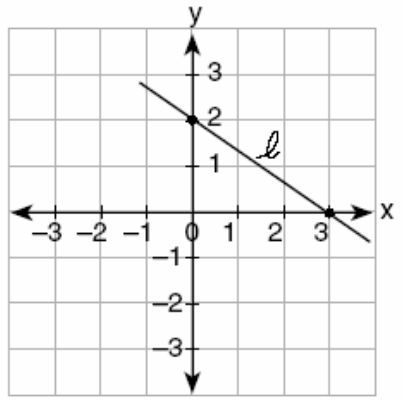
7. 080915ia, P.I. A.A.33
What is the slope of the line that passes through the points $(-5,4)$ and $(15,-4)$?

[A] $-\frac{2}{5}$ [B] undefined

[C] $-\frac{5}{2}$ [D] 0

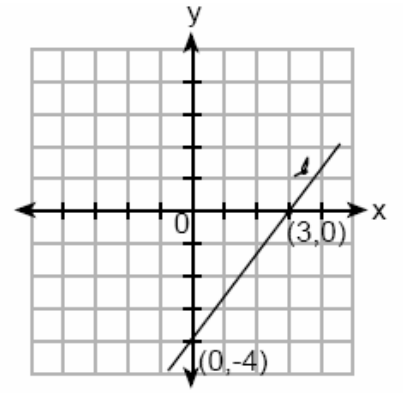
NAME:_____

8. 010115a
What is the slope of line ℓ in the accompanying diagram?



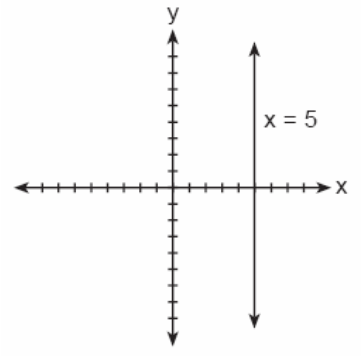
[A] $\frac{3}{2}$ [B] $\frac{2}{3}$ [C] $-\frac{2}{3}$ [D] $-\frac{3}{2}$

9. 069918a
What is the slope of line ℓ shown in the accompanying diagram?



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

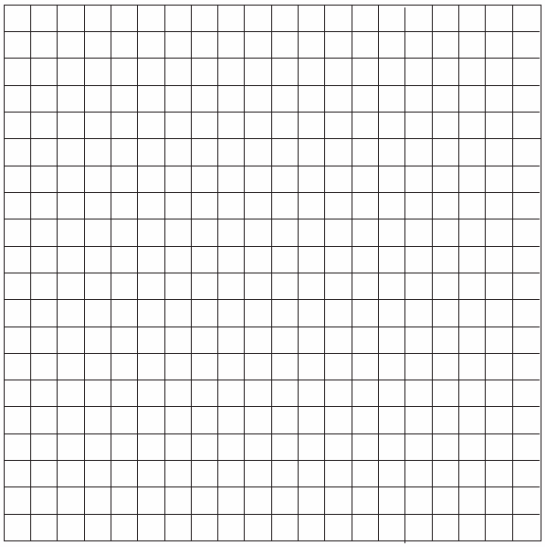
10. 060012a, P.I. A.A.37
The accompanying figure shows the graph of the equation $x = 5$.



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

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

11. 060834a
On the accompanying grid, draw the graph of the line whose slope is $\frac{2}{3}$ and whose y-intercept is -2.



[1] D

[2] A

[3] D

[4] A

[5] C

[6] C

[7] A

[8] C

[9] D

[10] C

[11] [2] A correct graph is drawn that passes through the points (0,-2) and (3,0).
[1] Appropriate work is shown, but one graphing error is made.
or [1] Appropriate work is shown, but one conceptual error is made.
or [1] At least two points that are on the line are plotted, but no graph is drawn.
[0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously incorrect procedure.