

NAME: _____

P.I. A.A.33: Determine the slope of a line, given the coordinates of two points on the line

1. Find the slope of the line passing through the points (3, 2) and (-1, -8).

[A] $\frac{2}{5}$ [B] $-\frac{1}{3}$ [C] $\frac{5}{2}$ [D] -3

2. Find the slope of the line passing through the points (-2, 3) and (-8, -7).

[A] $\frac{2}{5}$ [B] $\frac{5}{2}$ [C] $\frac{3}{5}$ [D] $\frac{5}{3}$

3. Give the slope of the line that contains (-3, -2) and (-2, -2).

[A] 0 [B] $-\frac{1}{5}$ [C] -4 [D] undefined

4. Give the slope of the line that contains (5, -1) and (5, 5).

[A] 0 [B] undefined [C] $\frac{3}{5}$ [D] $-\frac{3}{2}$

5. Which is the slope of the line that goes through (-2, 4.15) and (1, 1.24)?

[A] -2.91 [B] -0.97 [C] 0.97
[D] 2.91 [E] 3

6. Which expression describes the slope of a line that is parallel to the x-axis?

[A] $\frac{8-3}{2-1}$ [B] $\frac{-2-(-2)}{1-(-2)}$

[C] $\frac{1-(-2)}{0-2}$ [D] $\frac{(4-2)}{3-5}$

7. Which expression represents a line with a positive slope?

[A] $\frac{3-2}{2-5}$ [B] $\frac{1-(-2)}{0-2}$

[C] $\frac{-2-(-2)}{1-(-2)}$ [D] $\frac{6-2}{3-1}$

8. Find the slope of the line passing through the points A(8, -5) and B(4, -2).

9. Find the slope of the line passing through the points A(-1, 6) and B(7, 3).

10. Find the slope of the line passing through the points A(1, -3) and B(4, 8).

[1] C

[2] D

[3] A

[4] B

[5] B

[6] B

[7] D

[8] $-\frac{3}{4}$

[9] $-\frac{3}{8}$

[10] $\frac{11}{3}$