NAME:_____

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. A line has a slope of $\frac{5}{2}$. Through which two points could this line pass?

   [A] $(-2, -4), (-4, 1)$
   [B] $(2, -4), (4, 1)$ [C] $(2, -4), (4, -1)$
   [D] (6, 3), (4, 1) [E] none of the above

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] B

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

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