

Name: _____
I know some of these you can just count and guess, you must prove that your answer is correct to get full credit

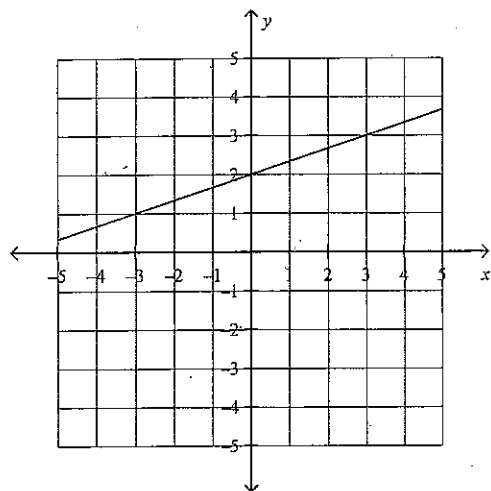
gebra Week 5 Homework

Multiple Choice

Identify the choice that best completes the statement or answers the question.

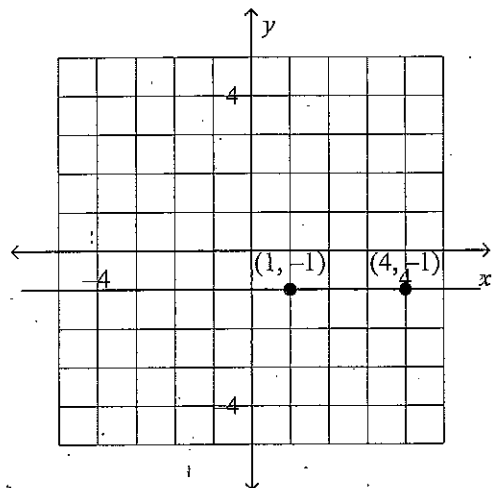
Find the slope of the line.

1.



- a. $-\frac{1}{3}$
- b. -3
- c. 3
- d. $\frac{1}{3}$

2.



- a. 0
- b. -1
- c. 1
- d. undefined

Find the slope of the line that passes through the pair of points.

3. $(1, 7), (10, 1)$

- a. $\frac{3}{2}$
- b. $-\frac{2}{3}$
- c. $-\frac{3}{2}$
- d. $\frac{2}{3}$

4. A student finds the slope of the line between $(14, 1)$ and $(18, 17)$. She writes $\frac{1-17}{18-14}$. What mistake

did she make?

- a. She should have added the values, not subtracted them.
- b. She used y -values where she should have used x -values.
- c. She mixed up the x - and y -values.
- d. She did not keep the order of the points the same in numerator and the denominator.

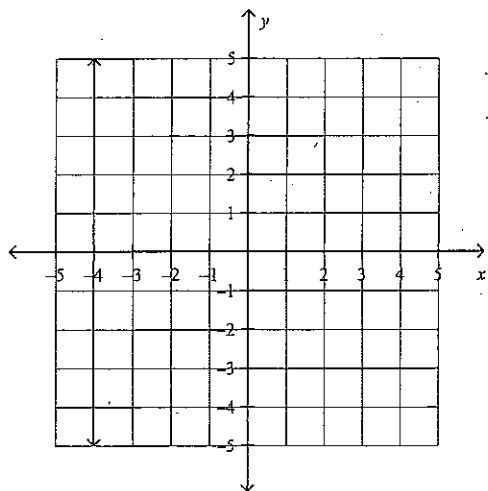
5. A student finds the slope of the line between $(8, 16)$ and $(9, 16)$. She writes $\frac{16-16}{9-8}$. What mistake

did she make?

- a. She should have added the values, not subtracted them.
- b. She mixed up the x - and y -values.
- c. She did not keep the order of the points the same in numerator and the denominator.
- d. She used y -values where she should have used x -values.

State whether the slope is 0 or undefined.

6.



- a. 0
- b. undefined

Find the slope of the line through the pair of points.

7. $L(-9, 6), M(-1, -9)$

- a. $\frac{3}{10}$
- b. $-\frac{15}{8}$
- c. $-\frac{8}{15}$
- d. $\frac{15}{8}$

8. $C(-6, -7), K(-1, -7)$

- a. 0
- b. $\frac{5}{14}$
- c. $-\frac{14}{5}$
- d. undefined

9. $L(2, -2), B(-9, -2)$

- a. 0
- b. $-\frac{11}{4}$
- c. $\frac{4}{11}$
- d. undefined

10. $A(-3, 3), P(2, 3)$

- a. 0
- b. $-\frac{5}{6}$
- c. $\frac{6}{5}$
- d. undefined

11. $C(7, -2), P(6, -2)$

- a. 0
- b. $-\frac{1}{4}$
- c. 4
- d. undefined

12. $N(-1, -6), K(9, -6)$

- a. 0
- b. $\frac{5}{6}$
- c. $-\frac{6}{5}$
- d. undefined