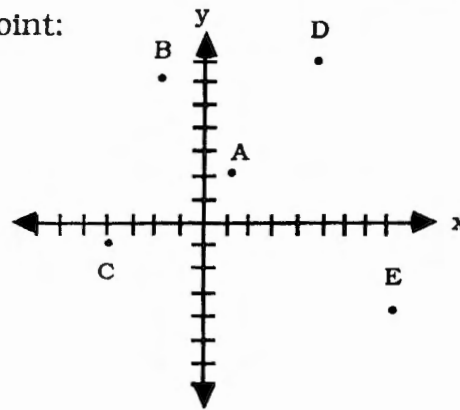


Lesson 10.1-10.2-10.3
Quiz - Form A

Unit 10

1. Name the coordinates of each point:



2. Plot each point:

- | | |
|-------------|------------|
| A. (-3, 0) | D. (-1, 4) |
| B. (2, -1) | E. (4, 2) |
| C. (-5, -2) | |

Graph each equation:

3. $y = -2x + 3$
4. $2x - 4y = 8$

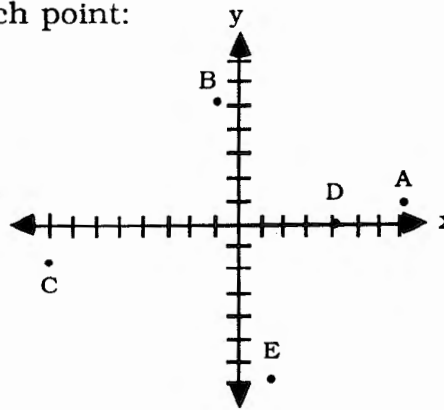
Find the slope of \overline{AB} , given:

5. A(2, 8) and B(-4, -2)
6. A(10, -5) and B(10, 5)

Lesson 10.1-10.2-10.3
Quiz - Form B

Unit 10

1. Give the coordinates of each point:



2. Plot each point:

- | | |
|-------------|------------|
| A. (0, 3) | D. (1, -4) |
| B. (-2, 1) | E. (6, 2) |
| C. (-3, -5) | |

Graph each equation:

3. $y = 2x - 3$
4. $-2x - 4y = 4$

Find the slope of \overline{AB} , given:

5. A(-1, 4) and B(4, -5)
6. A(-5, 2) and B(4, 2)

Lesson 10.4-10.5
Quiz - Form A

Unit 10

Write an equation for each line:

1. \overline{AB} through A(3, 8) and B(2, 6)
2. \overline{PQ} through P(-2, 5) and Q(2, -3)

Write an equation of the line through the first two points. Then use that equation to find the missing value for the third point:

3. (2, 5) (-6, -1) (4, y)

Give the slope and y-intercept for each equation:

4. $y = 2x - 5$
5. $3x - 4y = 12$

Write the equation of the line having the given slope, m, and y-intercept, b:

6. $m = 3, b = 5$
7. $m = -\frac{2}{3}, b = 1$

Lesson 10.4-10.5
Quiz - Form B

Unit 10

Write an equation for each line:

1. \overline{AB} through A(2, -4) and B(-6, 4)
2. \overline{PQ} through P(5, 2) and Q(2, -4)

Write an equation of the line through the first two points. Then use that equation to find the missing value for the third point:

3. (1, 8) (-4, -7) (3, y)

Give the slope and y-intercept for each equation:

4. $y = -2x + 4$
5. $5x + 2y = 10$

Write the equation of the line having the given slope, m, and y-intercept, b:

6. $m = -2, b = 4$
7. $m = \frac{1}{2}, b = -5$

Lesson 10.6-10.7
Quiz - Form A

Unit 10

Graph each line:

1. $y = -3$

2. $-2x = -8$

3. $3x + 18 = 0$

4. $6y - 2 = 4y + 6$

Graph each inequality:

5. $y < 3x - 2$

6. $-3x - 2y \geq 4$

Graph each line:

1. $y = 2$

2. $2x = -4$

3. $-5x + 15 = 0$

4. $4y + 8 = 7y + 23$

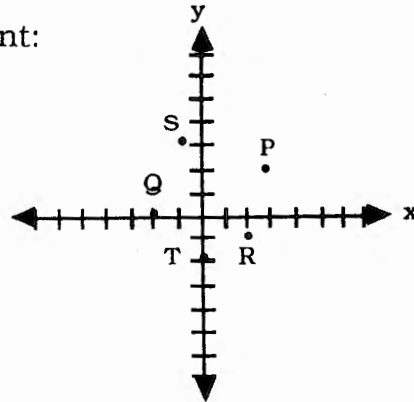
Graph each inequality:

5. $y > \frac{-2}{3}x + 1$

6. $12x - 6y \geq 6$

1. Give the coordinates of each point:

- a. P
- b. Q
- c. R
- d. S
- e. T



2. Plot and label each point:

- a. M (3, 4)
- b. N (0, -3)
- c. P $(-2\frac{1}{2}, 3\frac{1}{2})$

3. Use the graph in problem 1 to find the point(s) whose coordinates meet the given conditions:

- a. The abscissa is 2.
- b. The point is not in any quadrant.
- c. The ordinate is negative.
- d. The point is in quadrant 2.

Find the slope of the line passing through the given point. Then describe the slant of the line:

4. A(2, 3), B(4, 4)

5. P(-2, 5), Q(4, 1)

6. R(-1, 6), T(5, 6)

7. K(3, -2), L(3, 3)

8. Express the slope of \overline{AB} in terms of variables x and y:

A(2x - 4, 3y + 2), B(4x + 1, 5y - 3)

9. Write the equation, $2x - 6y = 4$, in slope-intercept form:

10. Determine whether A(2, 5), B(-3, -7), and C(6, 13) are all on the same line. Show your work.

For each equation, a) give its slope, b) give its y-intercept, and c) graph the line:

11. $y = \frac{2}{3}x - 2$
12. $3x - 4y = -12$
13. $8y - 40 = 0$
14. $6 - 3x = 18$
15. $4x - 2(6 - 5y) = 8$

Write the equation of the line:

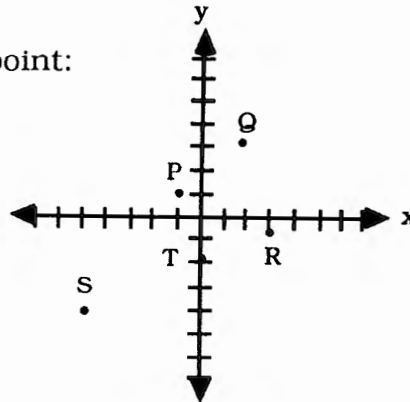
16. Through the points P(2, 8) and Q(-5, 3)
17. Having slope $-\frac{3}{4}$, and passing through (-3, -5)
18. With the same y-intercept as $2x + 3y = -12$, and passing through (8, -2)

Graph in the coordinate plane:

19. $y > \frac{3}{2}x - 6$
20. $3x - 5y \leq 15$

1. Give the coordinates of each point:

- a. P
- b. Q
- c. R
- d. S
- e. T



2. Plot and label each point:

- a. M (1, 5)
- b. N (-4, 0)
- c. P ($3\frac{1}{2}$, $-1\frac{1}{2}$)

3. Use the graph in problem 1 to find the point(s) whose coordinates meet the given conditions:

- a. The abscissa is 3.
- b. The point is in quadrant 2.
- c. The ordinate is negative.
- d. The point is in quadrant 3.

Find the slope of the line passing through the given point. Then describe the slant of the line:

- 4. A(2, 5), B(6, 8)
- 5. P(-3, 2), Q(5, 9)
- 6. R(-8, 6), T(3, 6)
- 7. K(5, -3), L(5, 2)
- 8. Express the slope of \overline{AB} in terms of variables x and y:
A(3x + 1, 2y - 4) B(5x - 2, 9y + 2)
- 9. Write the equation, $8x - 2y = 6$, in slope-intercept form.

10. Determine whether A(7, -2), B(-3, 5) and C(17, -9) are all on the same line. Show your work.

For each equation, a) give its slope, b) give its y-intercept, and c) graph the line:

11. $y = -\frac{3}{5}x + 2$

12. $2x - 5y = 10$

13. $5x - 30 = 0$

14. $5 - 2y = -3$

15. $3x - 5(y - 4) = 5$

Write the equation of the line:

16. Through (-2, 5), and with slope $-\frac{2}{3}$

17. Through points P(-2, 3) and Q(4, 1)

18. Passing through (-1, 6), and having the same x-intercept as $3x - 5y = 12$

Graph in the coordinate plane:

19. $y \leq -\frac{2}{3}x + 4$

20. $2x - 5y > 20$