Name: _____ Date _____

Topic: Graphs of Linear Equations - Slope and Intercept - Worksheet 1

Do the following:

1. Does the line $3y + x = 9$ pass through the point (3,2)?

2. What is the slope of the line $2x + 3y = 6$?

3. Does the graph of the straight line with slope of 2 and y-intercept of -2 pass through the point (1, 2)?

4. What is the slope of the line that passes through (-3, 1) and (3,-2)?

5. Does the line $y + 2x = 6$ pass through the point (1, 4)?

6. $5x + 1y = 0$ is the equation of a line whose slope is undefined. (True or False)

7. $y = -x + 8$ is the equation of a line that passes through the point (2, 1) and has a slope of -4. (True or False)

8. $y = 2x + 1$ is an equation that represents a line parallel to the line $x + 2y = 6$. (True or False)

9. Does the graph of the straight line with slope of 2 and y-intercept of -3 pass through the point (0,-3)?

10. Write an equation that passes through the points (2, 3) and (5,-4).

Name: _____ Date _____

Topic: Graphs of Linear Equations - Slope and Intercept - Worksheet 2

Do the following:

1. Does the line $y + 5x = 9$ pass through the point (1,4)?

2. What is the slope of the line $5x + 4y = 10$?

3. Does the graph of the straight line with slope of 6 and y-intercept of 5 pass through the point (-1, -1)?

4. What is the slope of the line that passes through (2, 5) and (5,2)?

5. Does the line $5y + x = 6$ pass through the point (-4, 2)?

6. $x + 5y = 2$ is the equation of a line whose y-intercept is defined. (True or False)

7. $2y = x + 8$ is the equation of a line that passes through the point (-2, 3) and has a slope of 1/2. (True of False)

8. $y = -3x + 1$ is an equation that represents a line parallel to the line $6x + 2y = 6$. (True or False)

9. Does the graph of the straight line with slope of 3 and y-intercept of 4 pass through the point (-2,-2)?

10. Write an equation that passes through the points (3, 2) and (4,-4).

Name: _____ Date _____

Topic: Graphs of Linear Equations - Slope and Intercept - Worksheet 3

Do the following:

1. Does the line $2x + 4y = 8$ pass through the point (1,4)?

2. What is the slope of the line $2x + 6y = 4$?

3. Does the graph of the straight line with slope of 3 and y-intercept of 5 pass through the point (-1, -1)?

4. What is the slope of the line that passes through (1,5) and (3,2)?

5. Does the line $5y + 3x = 6$ pass through the point (-4, 2)?

6. $4x + 6y = 2$ is the equation of a line whose y-intercept is defined. (True or False)

7. $2y = 2x + 8$ is the equation of a line that passes through the point (-2, 3) and has a slope of 1/2. (True of False)

8. $4y = 6x + 2$ is an equation that represents a line parallel to the line $x + 2y = 5$. (True or False)

9. Does the graph of the straight line with slope of 2 and y-intercept of -4 pass through the point (0,-4)?

10. Write an equation that passes through the points (4,2) and (2,1).

Name: _____ Date _____

Topic: Graphs of Linear Equations - Slope and Intercept - Worksheet 4

Do the following:

1. Does the line $3x + 2y = 4$ pass through the point (-1,2)?

2. What is the slope of the line $2x + y = 4$?

3. Does the graph of the straight line with slope of 4 and y-intercept of -2 pass through the point (0, -2)?

4. What is the slope of the line that passes through (3,1) and (4,6)?

5. Does the line $2y + 3x = 6$ pass through the point (-2, 6)?

6. $x = 3$ is the equation of a line whose slope is undefined. (True or False)

7. $3y = 2x + 6$ is the equation of a line that passes through the point (-3, 0) and has a slope of 2/3. (True of False)

8. $y = -4x + 4$ is an equation that represents a line parallel to the line $4x + y = 2$. (True or False)

9. Does the graph of the straight line with slope of 3 and y-intercept of 5 pass through the point (-1,2)?

10. Write an equation that passes through the points (2,3) and (-1,2)

Name: _____ Date _____

Topic: Graphs of Linear Equations - Slope and Intercept - Worksheet 5

Do the following:

1. Does the line $4x + 3y = 5$ pass through the point (-4,7)?

2. What is the slope of the line $x + 2y = 4$?

3. Does the graph of the straight line with slope of 4 and y-intercept of 5 pass through the point (-1,1)?

4. What is the slope of the line that passes through (5,2) and (-3,6)?

5. Does the line $2y + 2x = 3$ pass through the point (0, 3)?

6. $2y + 3x = 5$ is the equation of a line whose y-intercept is defined. (True or False)

7. $y = x + 3$ is the equation of a line that passes through the point (5, 0) and has a slope of 1. (True of False)

8. $5y = x + 4$ is an equation that represents a line perpendicular to the line $5x + y = 2$. (True or False)

9. Does the graph of the straight line with slope of 5 and y-intercept of 3 pass through the point (-1,2)?

10. Write an equation that passes through the points (3,-3) and (1,-6)