

Algebra 1 B

Name _____

Unit 2 Review

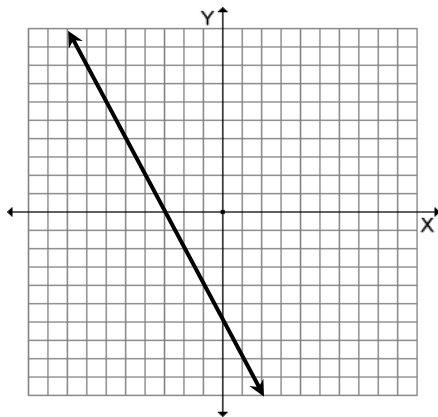
Period _____ Date _____

Objective 1 - Define the following terms.

1. linear equation
2. slope
3. x -intercept
4. y -intercept
5. slope-intercept form
6. standard form

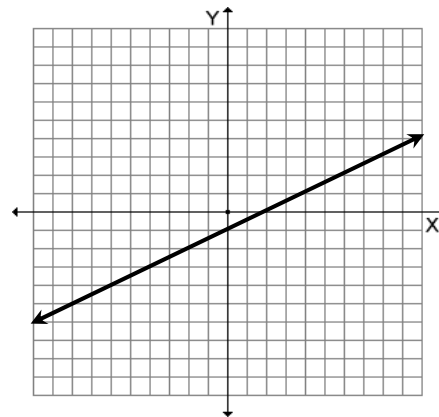
Objective 2 - Identify the x -intercept and y -intercept given a graph.

7.



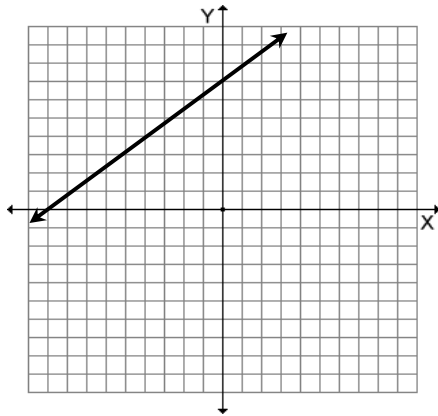
x -int _____ y -int _____

8.



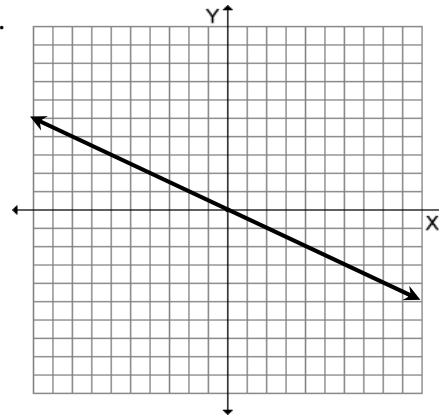
x -int _____ y -int _____

9.



x -int _____ y -int _____

10.



x -int _____ y -int _____

Objective 3 – Identify the x -intercept and y -intercept given an equation.

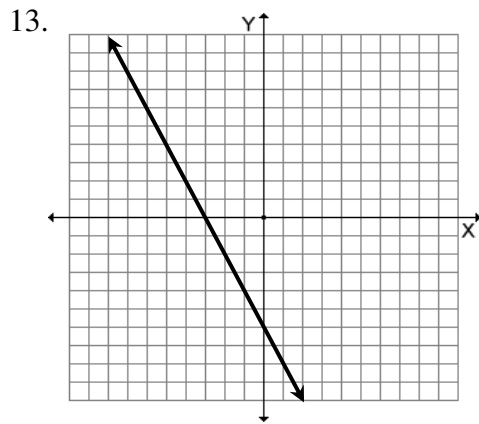
11. $y = -5x + 15$

12. $4x - 3y = -24$

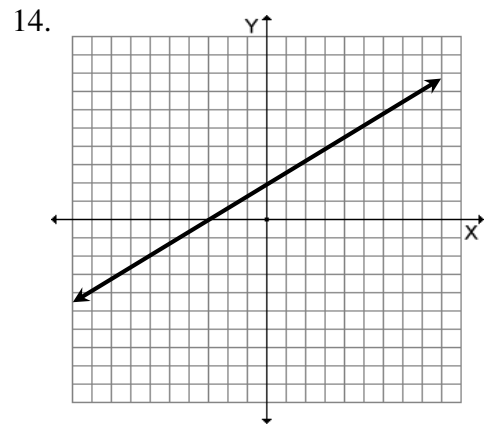
x -int _____ y -int _____

x -int _____ y -int _____

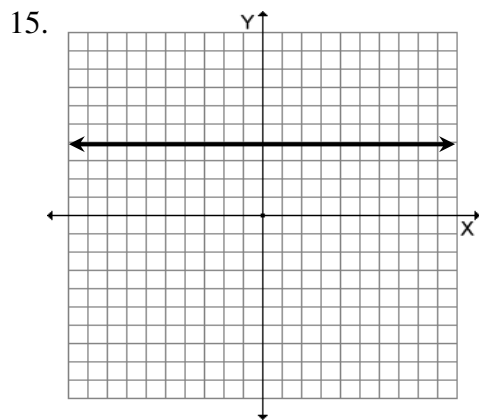
Objective 4 – Determine the slope of a line given a graph.



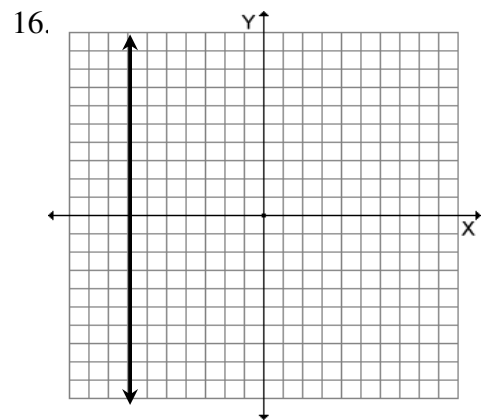
Slope _____



Slope _____



Slope _____



Slope _____

Objective 5 – Determine the slope of a line given two points on the line.

17. $(-2, 4), (1, -2)$

18. $(5, -1), (5, 3)$

19. $(1, -3), (-5, -5)$

20. $(-6, -2), (1, 7)$

Objective 6 – Determine the slope of a line given the equation.

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

22. $y = x - 7$

23. $x - 3y = -9$

24. $x + 4y = -24$

Objective 7 – Convert a linear equation to slope-intercept form.

25. $5x - 2y = -12$

26. $2x - 3 = 4y + 7$

Objective 8 – Convert a linear equation to standard form.

27. $y = \frac{1}{2}x + 7$

28. $y = -\frac{4}{3}x + \frac{2}{3}$