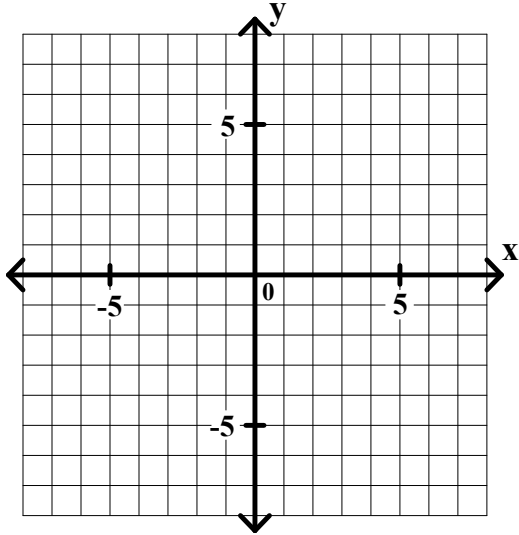


Algebra II Worksheet #1 Unit 2 page 1

For each of the following linear equations in two variables: (a) find the x and y intercepts, (b) write the equation in slope-intercept form, and (c) graph the equation.

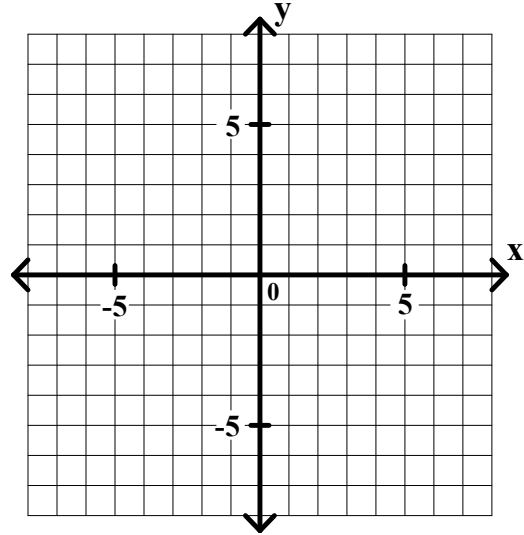
1. $5x + 2y = 10$

- (a) x intercept: ____ y intercept: ____
(b) slope intercept equation: _____
(c)



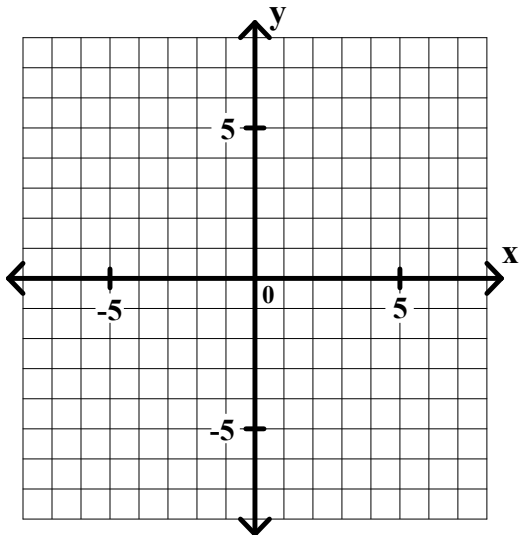
2. $3x - 5y = 15$

- (a) x intercept: ____ y intercept: ____
(b) slope intercept equation: _____
(c)



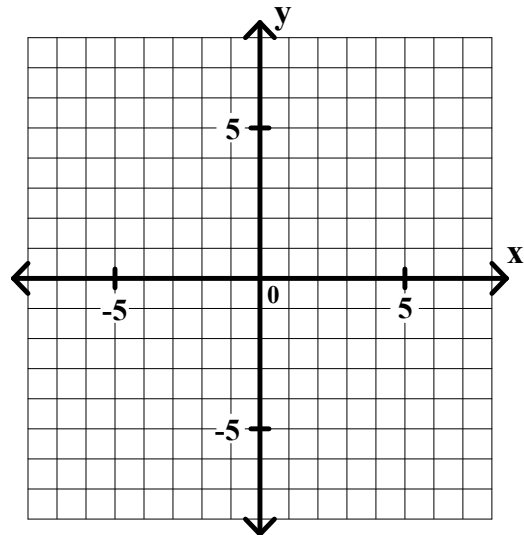
3. $x + 3y = 9$

- (a) x intercept: ____ y intercept: ____
(b) slope intercept equation: _____
(c)



4. $4x - y = 2$

- (a) x intercept: ____ y intercept: ____
(b) slope intercept equation: _____
(c)



Algebra II Worksheet #1 Unit 2 page 2

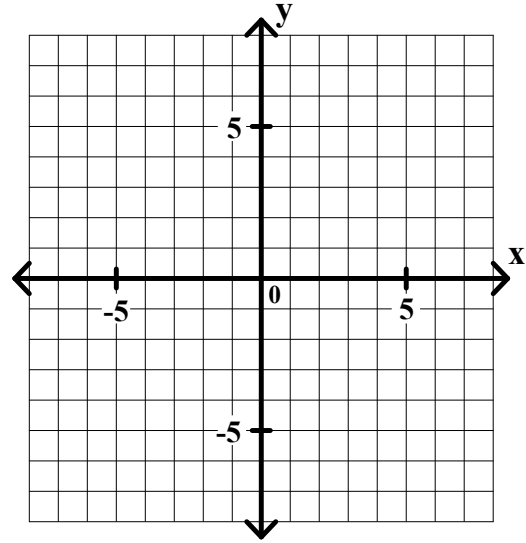
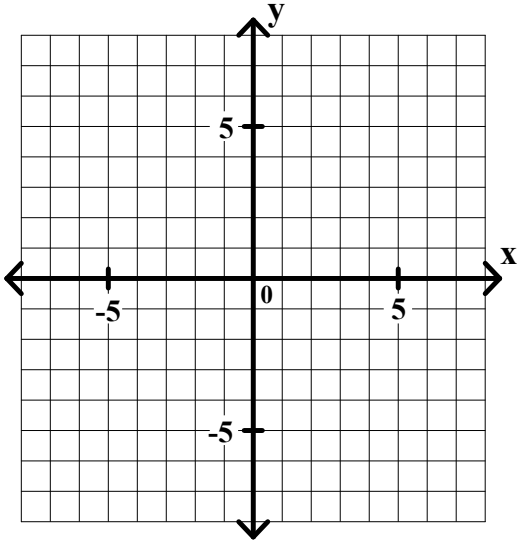
Graph each of the following. Label each graph with its equation.

5. $5x + 2y = 6$

7. $x + 3y = 6$

6. $3x - 2y = 2$

8. $x - 3y = 9$



9. $2x + y = 5$

11. $x = -3$

10. $3x - y = 4$

12. $y = 5$

