

General Algebra II Worksheet #2 Unit 2 page 1 _____

Objective: Given the equation of an oblique line in standard form ($Ax + By = C$), the students will be able to: a) determine the x and y intercepts, b) solve for y and c) graph the equation. Label each graph with its equation. Show all of your work neatly organized.

1. $3x - 2y = 10$

(a) x-intercept: _____ y-intercept: _____

(b) _____

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

(a) x-intercept: _____ y-intercept: _____

(b) _____

3. $x - 2y = 8$

(a) x-intercept: _____ y-intercept: _____

(b) _____

4. $2x + 3y = 6$

(a) x-intercept: _____ y-intercept: _____

(b) _____

5. $4x + 5y = 20$

(a) x-intercept: _____ y-intercept: _____

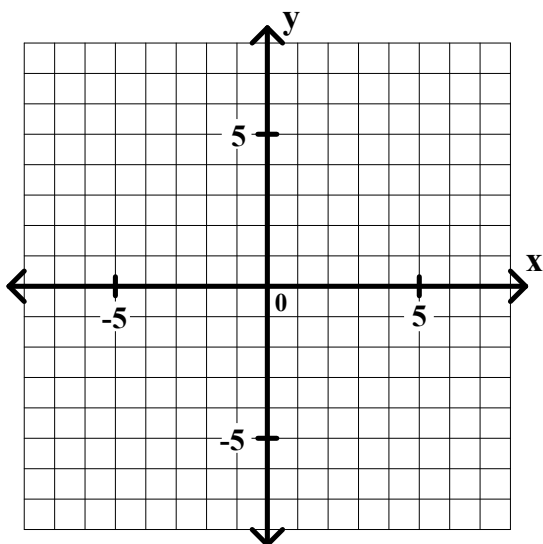
(b) _____

6. $x + 5y = -10$

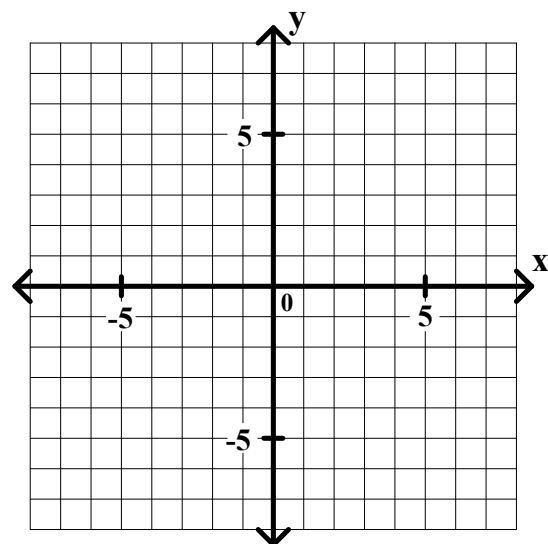
(a) x-intercept: _____ y-intercept: _____

(b) _____

(c) Graph #1, #2, and #3 here.



(c) Graph #4, #5, and #6 here.



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Objective: Given the equation of a horizontal or a vertical line, the student will be able to graph the equation. Label each graph with its equation.

7. $y = -6$

10. $x = -4$

8. $x = -1$

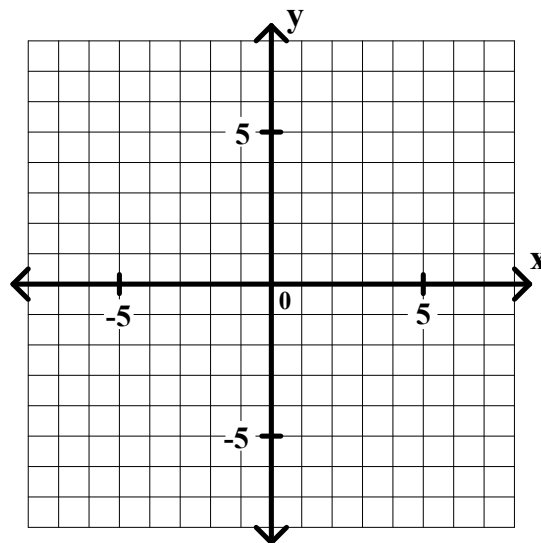
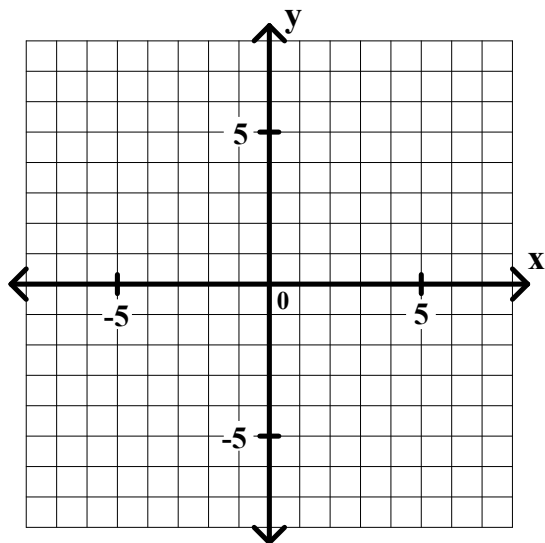
11. $y = -2$

9. $y = 5$

12. $x = 2$

Graph #7, #8, and #9 here.

Graph #10, #11, and #12 here.



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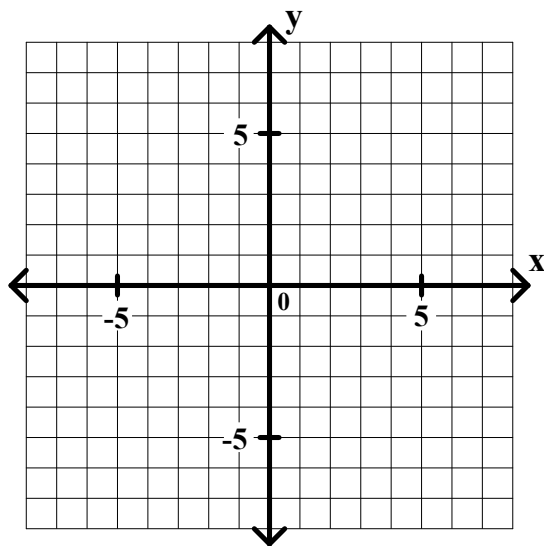
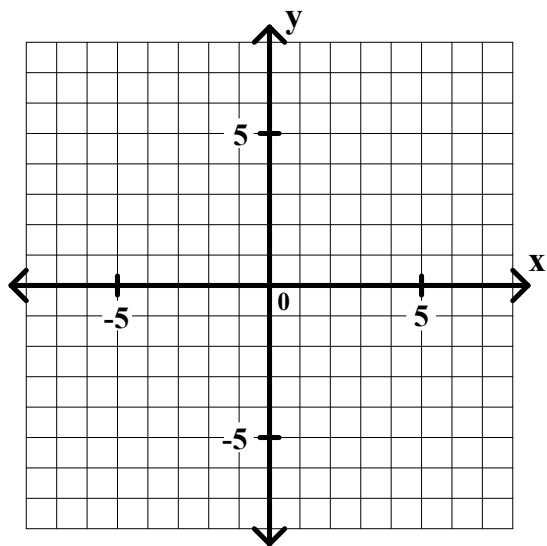
Graph each of the following. Label each graph with its equation.

13. $6x - 5y = 0$

15. $x + 4y = 20$

14. $2x + 5y = 0$

16. $x - 6y = -6$



17. $5x + y = 10$

19. $x = 5$

18. $5x - y = -3$

20. $y = -5$

