

Algebra I Worksheet #6 Unit 6 page 1 _____

For each of the following equations:

(a) find its slope,

(b) find its y-intercept, and

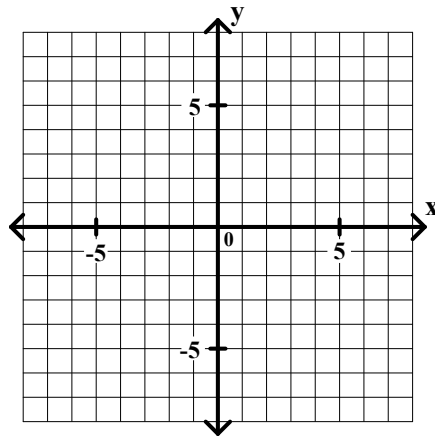
(c) sketch its graph. Label each graph with its equation.

1. $y = 3x$

(a) _____ (b) _____

2. $y = \frac{3}{2}x$

(a) _____ (b) _____

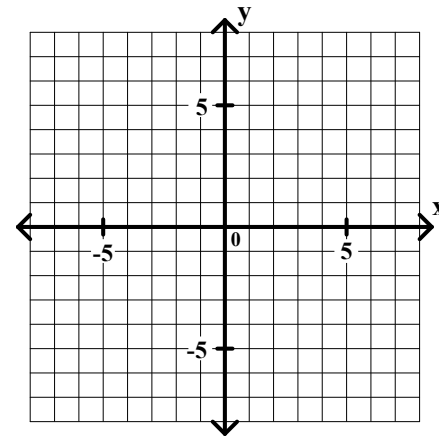


3. $y = \frac{4}{3}x + 2$

(a) _____ (b) _____

4. $y = \frac{3}{4}x - 1$

(a) _____ (b) _____

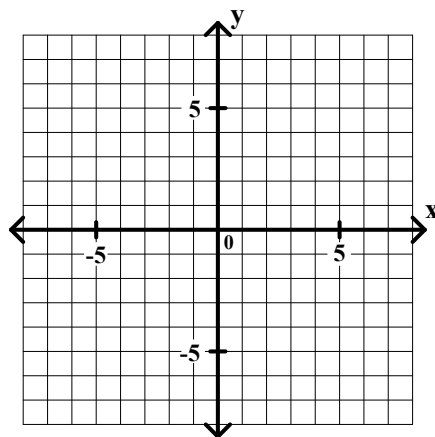


Graph each of the following equations. Use the equation to label each graph.

5. $y = 2x + 3$

6. $y = -3x - 1$

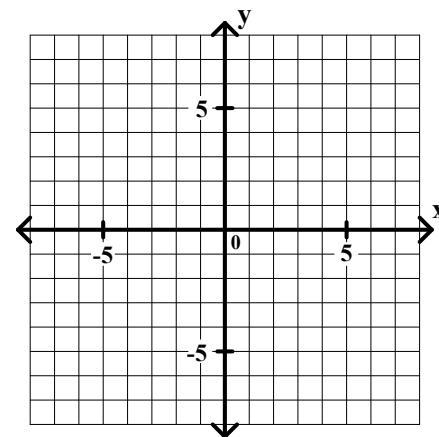
7. $y = 2$



8. $y = \frac{1}{2}x - 2$

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

10. $x = -4$



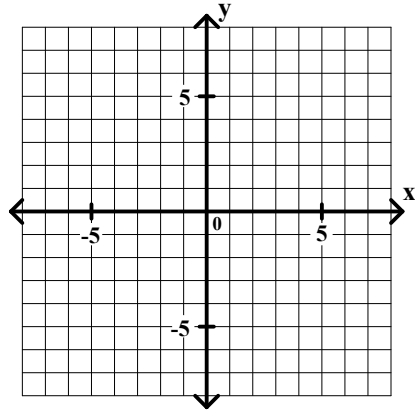
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Graph each of the following equations. Use the equation to label each graph.

11. $y = \frac{4}{3}x + 3$

12. $y = \frac{-5}{2}x - 1$

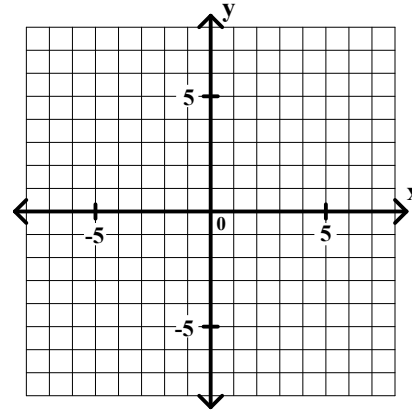
13. $y = -5$



14. $y = -2x - 4$

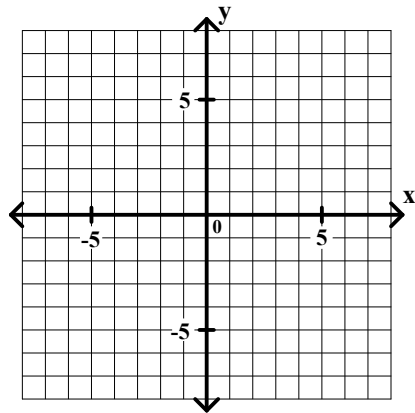
15. $y = 4x + 1$

16. $x = 2$



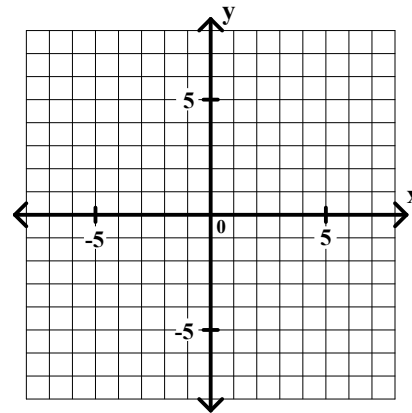
17. $y = \frac{1}{3}x + 3$

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



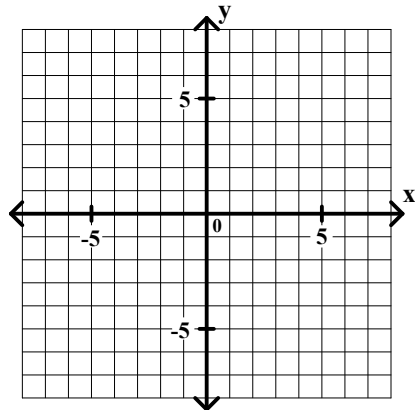
19. $y = \frac{5}{3}x + 4$

20. $y = \frac{-4}{3}x - 4$



21. $y = x + 3$

22. $y = -x - 2$



23. $y = 3x$

24. $y = \frac{-1}{3}x$

