

EXTRA PRACTICE 17
The Slope-Intercept Form
 Use after Section 7.1

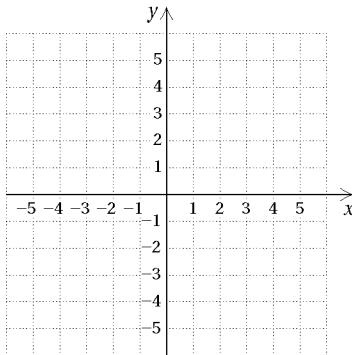
Name _____

See Section 7.1 for examples.

Draw a line that has the given slope and y-intercept.

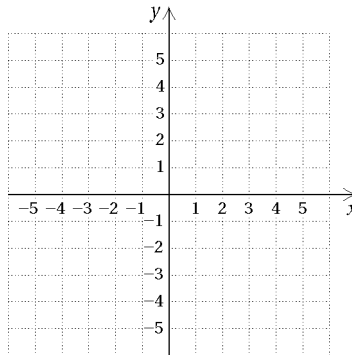
1. Slope 4;

y-intercept (0,-1)



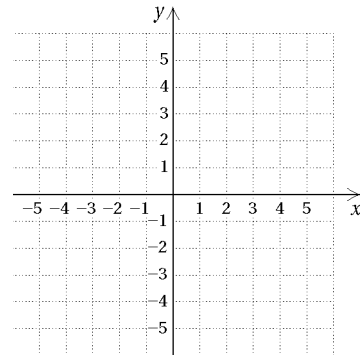
2. Slope $\frac{2}{3}$;

y-intercept (0,2)



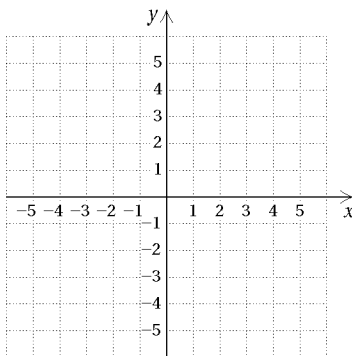
3. Slope $-\frac{5}{2}$;

y-intercept (0,1)



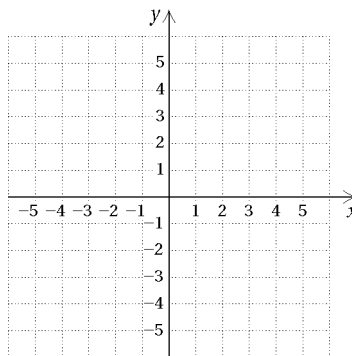
4. Slope -4;

y-intercept (0,3)



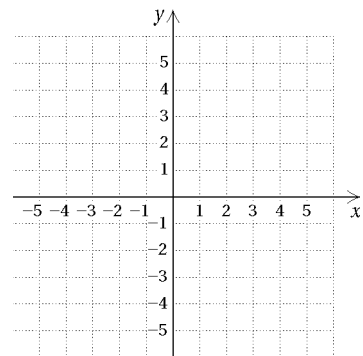
5. Slope $\frac{1}{4}$;

y-intercept (0,-3)



6. Slope $\frac{3}{7}$;

y-intercept (0,1)



Find the slope and y-intercept of each line.

7. $y = 4x - 2$

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

9. $y = \frac{7}{4}x + 1$

10. $y = -3x + 2$

11. $y = \frac{1}{5}x$

12. $y = -x + 4$

13. $x - y = 6$

14. $-2x + y = 3$

15. $3x + 4y = 8$

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Find the slope and y-intercept of each line.

16. $-5x - 2y = 4$

17. $y = -3$

18. $6x + 3y = 2$

Find the slope-intercept equation for the line with the indicated slope and y-intercept.

19. Slope $\frac{4}{7}$; y-intercept (0,5)

20. Slope $-\frac{2}{3}$; y-intercept (0,-4)

21. Slope 6; y-intercept (0,7)

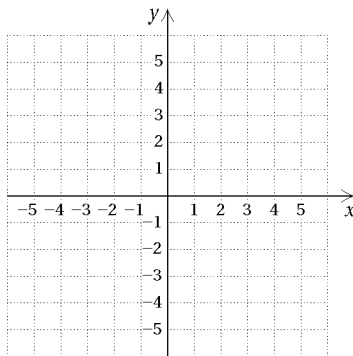
22. Slope $-\frac{1}{8}$; y-intercept (0,1)

23. Slope -5 ; y-intercept (0,2)

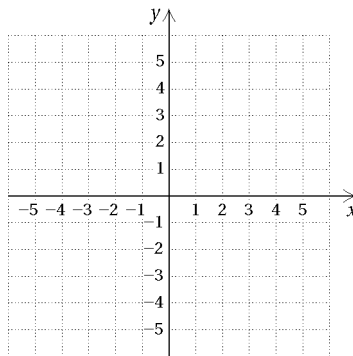
24. Slope $\frac{6}{5}$; y-intercept (0,-1)

Graph.

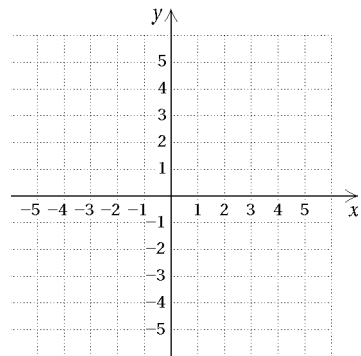
25. $y = x + 2$



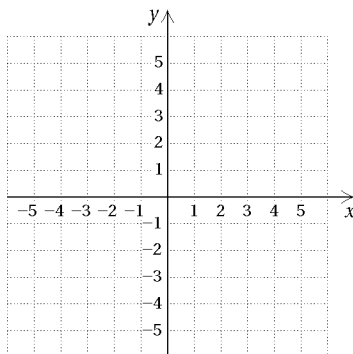
26. $y = -\frac{1}{3}x + 1$



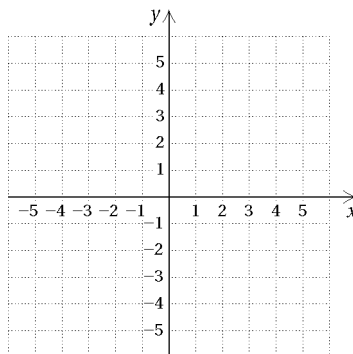
27. $y = \frac{4}{5}x - 3$



28. $y = -3x - 1$



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



30. $y = \frac{1}{6}x - 4$

