Homework: Linear Functions and Slope

In Problems 1-5, find the slope of the line passing through each pair of points or state that the slope is undefined

1. $m = \frac{4}{3}$	2. $m = \frac{-3}{5}$
3. $m = 0$	4. $m = \frac{5}{4}$
5. m is undefined	

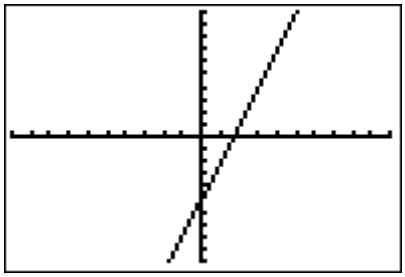
In Problems 6-19, use the given conditions to write an equation for each line in slope-intercept form

6. $y = 3x - 14$	7. $y = 5x - 11$
8. $y = -2x - 10$	9. $y = -5x - 25$
10. $y = -2x - \frac{7}{3}$	11. $y = \frac{-2}{3}x$
12. $y = \frac{2}{5}x - \frac{23}{5}$	13. $y = -3x + 28$
14. $y = x - 5$	15. $y = \frac{-3}{10}x - \frac{8}{5}$
16. $y = \frac{1}{5}x + \frac{4}{5}$	17. $y = \frac{1}{6}x + \frac{2}{3}$
18. $y = \frac{-1}{2}x + 2$	19. $y = \frac{-2}{5}x - 2$

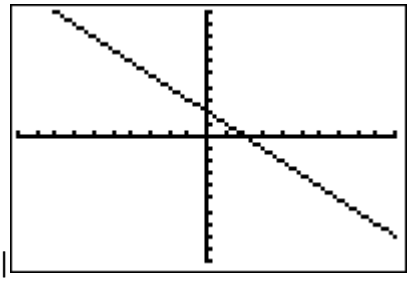
Homework: Linear Functions and Slope

In Problems 20-24, give the slope and y-intercept of each line whose equation is given. Then graph the linear function

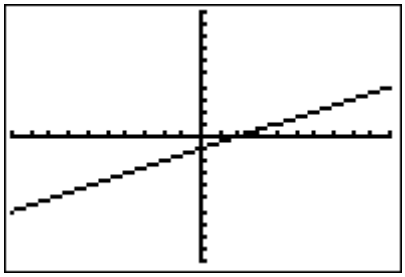
20. $m = 3, y-\text{int} : -5$



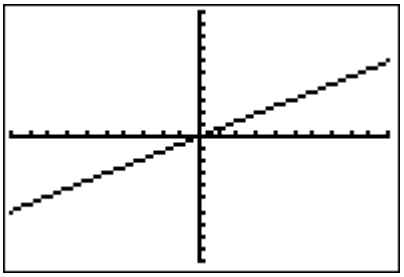
21. $m = -1, y-\text{int} : 2$



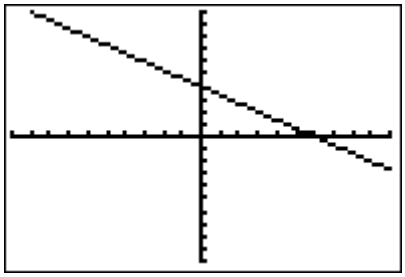
22. $m = \frac{1}{2}, y-\text{int} : -1$



23. $m = \frac{3}{5}, y-\text{int} : 0$



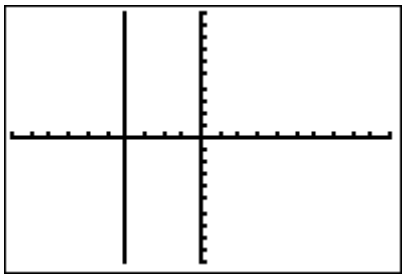
24. $m = \frac{-2}{3}, y-\text{int} : 4$



Homework: Linear Functions and Slope

In Problems 25-29, graph each equation in a rectangular coordinate system

25.



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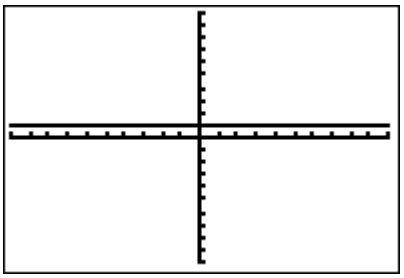

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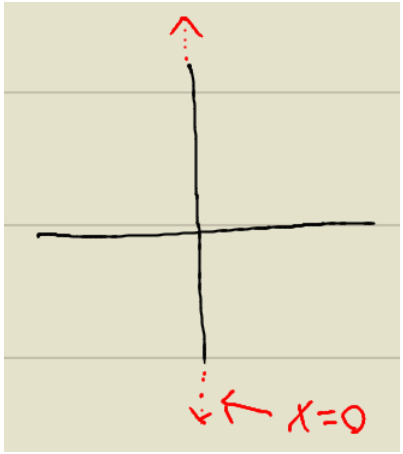

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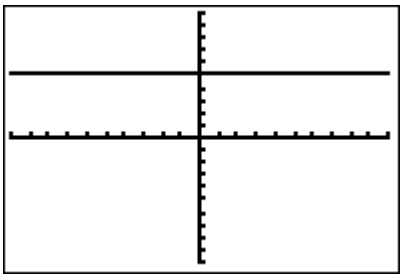

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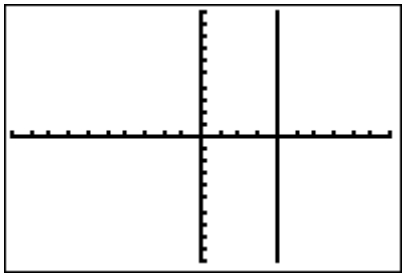
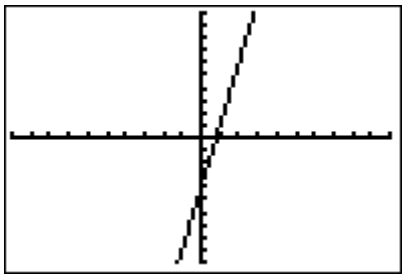


Homework: Linear Functions and Slope

In Problems 30-36, graph each linear function

30.



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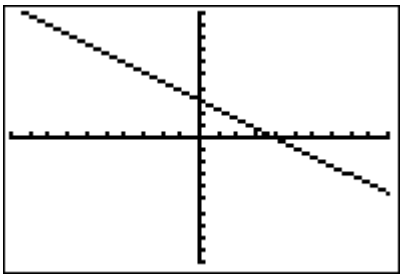

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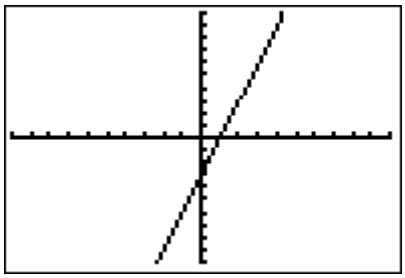

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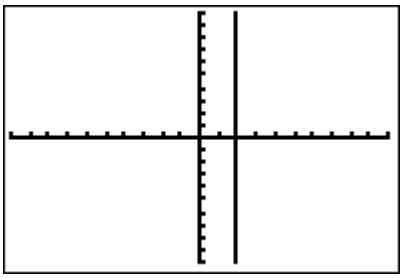

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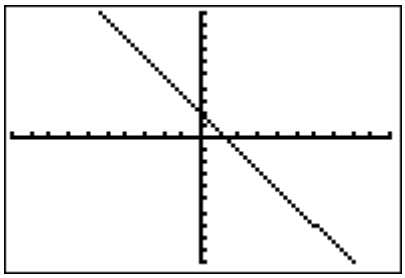

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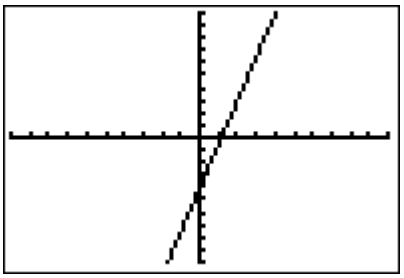

36.