

1. Yes, 46 mph

3. Yes, 2 feet per sec

5. No, there is no CROC

7. \$15 per hour. Yes, it's proportional because it passes through the origin (0,0)

9. 5 inches per year. No, it doesn't pass through (0,0)

11. \$37.50 per hour

13. x-int: (-3,0)

y-int: (0,2)

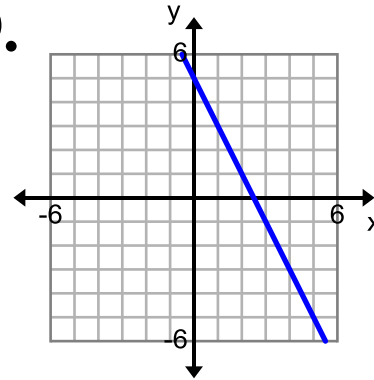
slope: $\frac{2}{3}$

equation: $y = \frac{2}{3}x + 2$

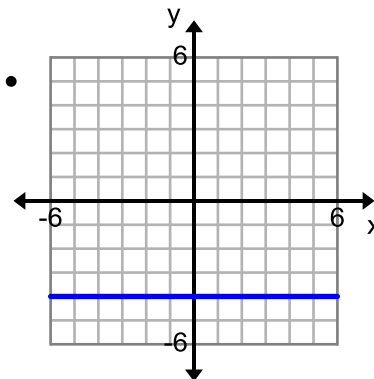
15. 1

17. $-\frac{4}{7}$

19.



21.



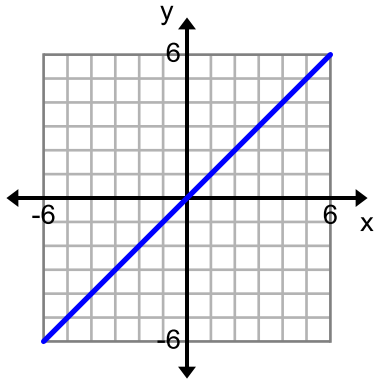
23. $y = -\frac{1}{4}x + \frac{2}{7}$

25. $y = \frac{3}{4}x + 8$

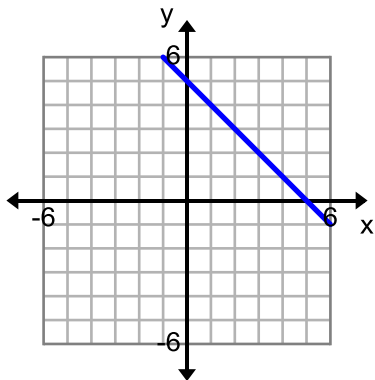
27. $y = -\frac{2}{5}x - 2$

29. $y = -7$

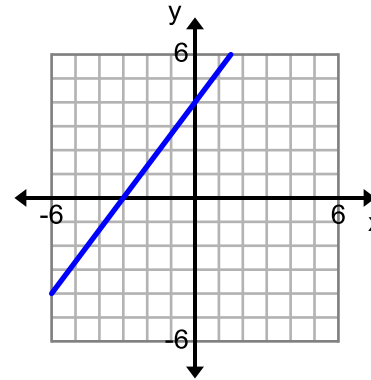
31. $m = 1, b = 0$



33. $x\text{-int: } (5,0); y\text{-int: } (0,5)$



35. $x\text{-int: } (-3,0); y\text{-int: } (0,4)$



37. **C**