

Practice 3-6

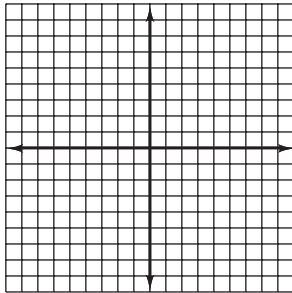
Lines in the Coordinate Plane

Write an equation of the line with the given slope that contains the given point.

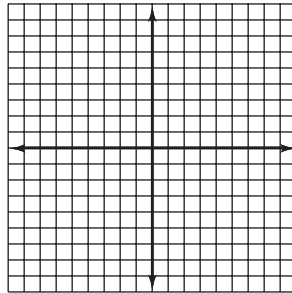
1. $F(3, -6)$, slope $\frac{1}{3}$ _____
2. $Q(5, 2)$, slope -2 _____
3. $R(15, 10)$, slope $\frac{4}{5}$ _____
4. $D(1, -9)$, slope 4 _____

Graph each line.

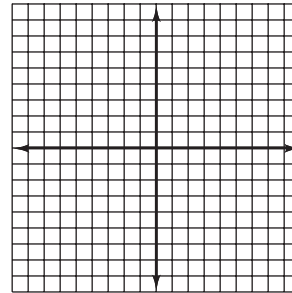
5. $y = -2x$



6. $y = 5x + 4$



7. $2y = 8x - 2$



Write an equation of the line containing the given points.

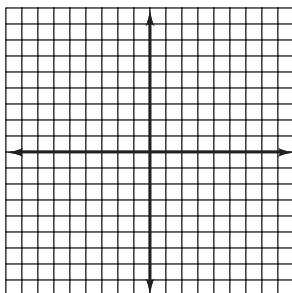
8. $P(-1, 3), Q(0, 4)$ _____
9. $S(10, 2), T(2, -2)$ _____
10. $D(7, -4), E(-5, 2)$ _____
11. $M(8, -3), N(7, 3)$ _____

Write equations for (a) the horizontal line and (b) the vertical line that contain the given point.

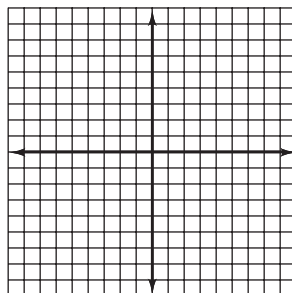
12. $Z(2, -11)$ _____
13. $D(0, 2)$ _____

Graph each line using intercepts.

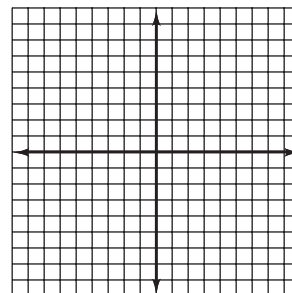
14. $2x + 4y = -4$



15. $3x + 3y = 18$



16. $2x - 2y = 8$



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