

Name _____

Date _____

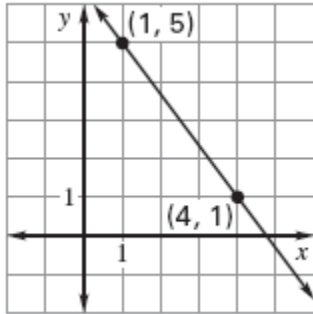
LESSON 3.5

Practice C

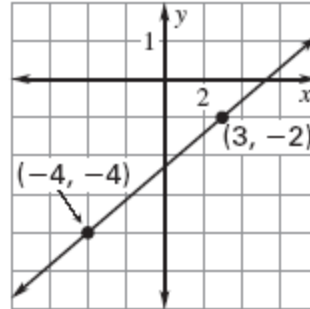
For use with pages 180-187

Write an equation of the line shown

1.



2.



Write an equation of the line that passes through the given point P and has the given slope m .

3. $P\left(3, \frac{1}{2}\right); m = -4$

4. $P(5, 3); m = -\frac{5}{3}$

Write an equation of the line that passes through point P and is parallel to the line with the given equation.

5. $P(-4, 6); y = -2x - 3$

6. $P\left(1, -\frac{2}{3}\right); y = \frac{1}{3}x - 7$

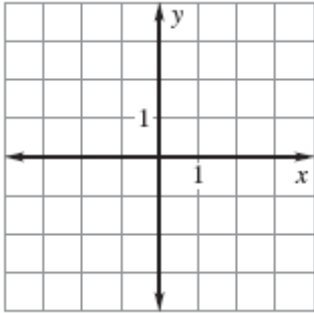
Write an equation of the line that passes through point P and is perpendicular to the line with the given equation.

7. $P(1, -7); y = \frac{1}{2}x - 5$

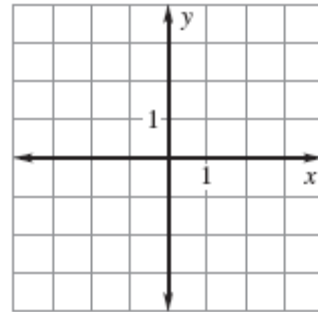
8. $P\left(-2, \frac{7}{2}\right); y = -\frac{1}{4}x + 7$

Graph the equation.

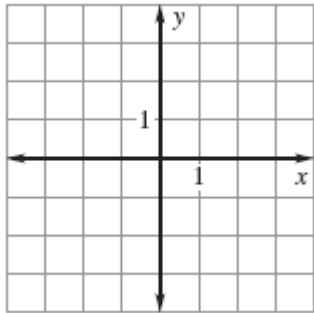
9. $2x + 4y = 3$



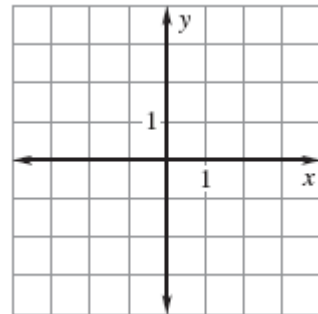
10. $x + 3y = 4x - 2$



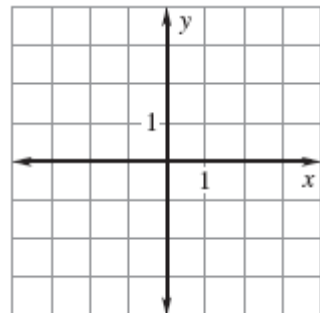
11. $x - 2y = y + 5$



12. $4(x - 2) + 2 = 2y - 4$



13. $3(y - 4) = 7x - 15$



14. $2(y + 1) = 3x + 5(y + 2)$

