

Name _____

Date _____

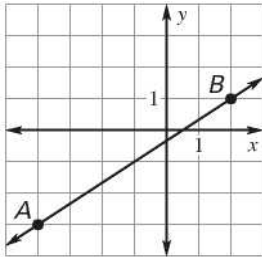
LESSON 3.5

Practice B

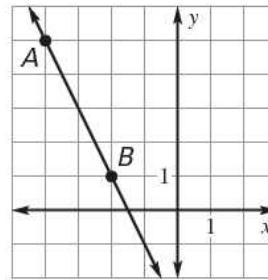
For use with pages 180–187

Write an equation of line AB in slope-intercept form.

1.



2.



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

3. $P(-2, 0); y = -\frac{1}{2}x + 6$

4. $P(-5, -4); y = -2x - 10$

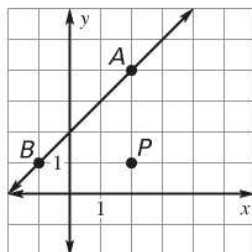
Write an equation of the line that passes through point P and is perpendicular to the line with the given equation.

5. $P(5, 20); y = \frac{1}{2}x + 8$

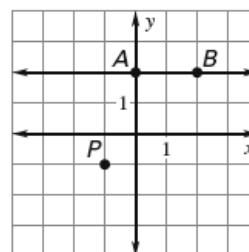
6. $P(3, 5); y = 4$

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

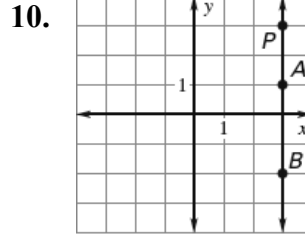
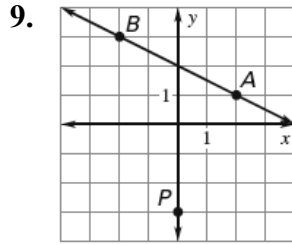
7.



8.

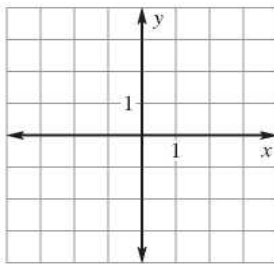


Write an equation of the line that passes through point p and is perpendicular to line AB .

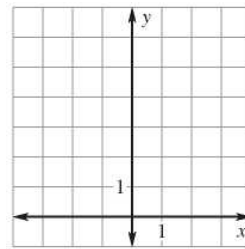


Graph the equation.

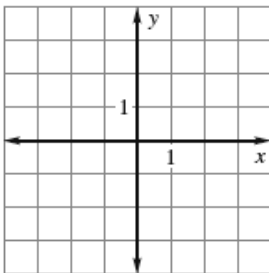
11. $-2x + y = -1$



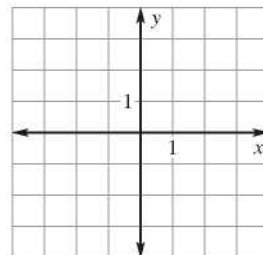
12. $y - 3 = -3x + 2$



13. $y + 6 = 3$



14. $2(x - 1) = -y$



15. **Country Club** The graph models the total cost of joining a country club. Write an equation of the line. *Explain* the meaning of the slope and the y-intercept of the line.

