

CW/HW: p.194: 13, 25, 27 and p.201-202: 1, 4, 11, 13, 19, 21

Find the slope of the line passing through the given points.

13. $(-6, 2), (-7, 10)$

Use the given information to write an equation of each line.

25. slope $\frac{1}{2}$, y -intercept -5

27. slope -3 , passes through $(4, -1)$

p. 201-202

\overline{AB} contains points A and B . \overline{CD} contains points C and D . Are \overline{AB} and \overline{CD} parallel, perpendicular, or neither? Explain.

1. $A(-8, 3), B(-4, 11), C(-1, 3), D(1, 2)$

4. What is an equation of the line perpendicular to $y = -4x + 1$ that contains $(2, -3)$?

Write an equation of the line parallel to the given line that contains C .

11. $C(0, 3); y = -2x + 1$

13. $C(-2, 4); y = \frac{1}{2}x + 2$

Write an equation of the line perpendicular to the given line that contains P .

19. $P(6, 6); y = \frac{2}{3}x$

21. $P(4, 4); y = -2x - 8$