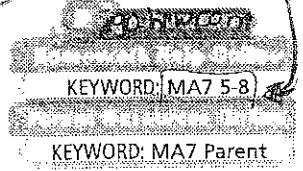


5-8**Exercises**

If having trouble

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"Be responsible learners"



Write an equation in slope-intercept form for the line that is parallel to the given line and that passes through the given point.

28. $y = 7$; (2, 4)

29. $x + y = 1$; (2, 3)

30. $2x + 3y = 7$; (4, 5)

Write an equation in slope-intercept form for the line that is perpendicular to the given line and that passes through the given point.

34. $y = -3x + 4$; (6, -2)

35. $y = x - 6$; (-1, 2)

36. $3x - 4y = 8$; (-6, 5)

Without graphing, tell whether each pair of lines is parallel, perpendicular, or neither.

18. $x = 2$ and $y = -5$

19. $y = 7x$ and $y - 28 = 7(x - 4)$

20. $y = 2x - 1$ and $y = \frac{1}{2}x + 2$

$$28. y = 4$$

$$29. y = -x + 5$$

$$30. y = -\frac{2}{3}x + \frac{23}{3}$$

$$34. y = \frac{1}{3}x - 4$$

$$35. y = -x + 1$$

$$36. y = -\frac{4}{3}x - 3$$