

Homework

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CHOOSING A METHOD Graph the equation using any method.

44. $-3 + x = 0$

45. $y + 7 = -2x$

46. $4y = 16$

47. $8y = -2x + 20$

p. 101: 7, 16, 23, 30, 43

SLOPE-INTERCEPT FORM Write an equation of the line that has the given slope and y-intercept.

7. $m = -\frac{5}{4}, b = 7$

POINT-SLOPE FORM Write an equation of the line that passes through the given point and has the given slope.

16. $(-4, 2), m = \frac{3}{2}$

PARALLEL AND PERPENDICULAR LINES Write an equation of the line that passes through the given point and satisfies the given condition.

23. $(4, 1)$; perpendicular to $y = \frac{1}{3}x + 3$

WRITING EQUATIONS Write an equation of the line that passes through the given points.

30. $(-1, 3), (2, 9)$

STANDARD FORM Write an equation in standard form $Ax + By = C$ of the line that satisfies the given conditions. Use integer values for A , B , and C .

43. $m = \frac{4}{5}$, passes through $(2, 3)$