Answer key

The method: Standard form to slope-intercept form

Solve for y: move the x term, then divide every term by the y coefficient.

$-x + 3y = -9$

$3y = x - 9$ add x on both sides

$y = \frac{1}{3}x - 3$ divide every term by 3

$x + 4y = 7$

$4y = -x + 7$ subtract x on both sides

$y = -\frac{1}{4}x + \frac{7}{4}$ divide every term by 4

Problems 1 and 2 worked out · Version 0A

$-5x + y = -7$

$y = 5x - 7$ add 5x on both sides

$-x + 3y = -7$

$3y = x - 7$ add x on both sides

$y = \frac{1}{3}x - \frac{7}{3}$ divide every term by 3

Standard form to slope-intercept form · Version 0A

1) $y = 5x - 7$ 2) $y = \frac{1}{3}x - \frac{7}{3}$ 3) $y = \frac{1}{4}x$

4) $y = -4x - 4$ 5) $y = -\frac{4}{5}x - \frac{1}{5}$ 6) $y = \frac{1}{2}x - 6$

7) $y = -\frac{2}{5}x + \frac{2}{5}$ 8) $y = 4x + 8$ 9) $y = \frac{5}{3}x + \frac{7}{3}$

10) $y = \frac{5}{3}x - \frac{1}{3}$ 11) $y = -\frac{1}{3}x - \frac{5}{3}$

12) $y = -\frac{1}{6}x + \frac{2}{3}$ 13) $y = \frac{1}{4}x - 1$ 14) $y = -\frac{5}{6}x - 2$

15) $y = -3x - 12$