

Name:

Date: Score:

Converting to Slope-Intercept Form

Rewrite each of the following equations in $y = mx + b$ form. Show each step.

1 $2y - x = 8$

2 $2y = -x - 8$

3 $12y = \frac{8x - 48}{3}$

4 $10x - 12y = -4$

5 $3x + 5y = -25$

6 $\frac{3(x - y)}{2} = 9$

7 $y - 4 = -3(x - 3)$

8 $2x + y = 4$

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Converting to Slope-Intercept Form

Answers

1 $2y - x = 8$

$$y = \frac{1}{2}x + 4$$

2 $2y = -x - 8$

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

3 $12y = \frac{8x - 48}{3}$

$$y = -\frac{2}{9}x - \frac{4}{3}$$

4 $10x - 12y = -4$

$$y = \frac{5}{6}x + \frac{1}{3}$$

5 $3x + 5y = -25$

$$y = -\frac{3}{5}x - 5$$

6 $\frac{3(x - y)}{2} = 9$

$$y = x - 6$$

7 $y - 4 = -3(x - 3)$

$$y = -3x + 13$$

8 $2x + y = 4$

$$y = -2x + 4$$