

Name:

Writing Standard Form of a Linear Equation

Convert each equation from slope-intercept form to standard form

1 $y = -2x + 1$

2 $y = -3x + 2$

3 $y = \frac{1}{4}x + \frac{3}{4}$

4 $y = \frac{2}{7}x + \frac{1}{7}$

5 $y = -6x - 2$

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

Using slope and y-intercept, write the equations in standard form

1 Slope = -8, y-intercept = 5

2 Slope = $\frac{5}{2}$, y-intercept = 1

3 Slope = $\frac{7}{2}$, y-intercept = 3

4 Slope = $\frac{3}{5}$, y-intercept = 1

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Answers

$$\boxed{1} \quad y = -2x + 1$$

$$2x + y = 1$$

$$\boxed{3} \quad y = \frac{1}{4}x + \frac{3}{4}$$

$$2x - 8y = -6$$

$$\boxed{5} \quad y = -6x - 2$$

$$6x + y = -2$$

$$\boxed{2} \quad y = -3x + 2$$

$$3x + y = 2$$

$$\boxed{4} \quad y = \frac{2}{7}x + \frac{1}{7}$$

$$2x - 7y = -1$$

$$\boxed{6} \quad y = -\frac{1}{6}x - \frac{5}{6}$$

$$x + 6y = -5$$

$$\boxed{1} \quad \text{Slope} = -8, \text{y-intercept} = 5$$

$$8x + y = 5$$

$$\boxed{3} \quad \text{Slope} = \frac{7}{2}, \text{y-intercept} = 3$$

$$-7x + 2y = 6$$

$$\boxed{2} \quad \text{Slope} = \frac{5}{2}, \text{y-intercept} = 1$$

$$-5x + 2y = 2$$

$$\boxed{4} \quad \text{Slope} = \frac{3}{5}, \text{y-intercept} = 1$$

$$-3x + 5y = 5$$