

## Converting Linear Equations (B)

Convert standard to slope-intercept forms.

1. Standard form:  $6x - 9y = -2$

Slope-intercept form: \_\_\_\_\_

2. Standard form:  $x - 5y = -11$

Slope-intercept form: \_\_\_\_\_

3. Standard form:  $10x - 8y = -2$

Slope-intercept form: \_\_\_\_\_

4. Standard form:  $8x - 8y = 9$

Slope-intercept form: \_\_\_\_\_

5. Standard form:  $12x - 3y = 8$

Slope-intercept form: \_\_\_\_\_

6. Standard form:  $12x + 11y = 10$

Slope-intercept form: \_\_\_\_\_

7. Standard form:  $3x + 3y = -12$

Slope-intercept form: \_\_\_\_\_

8. Standard form:  $9x + 8y = 8$

Slope-intercept form: \_\_\_\_\_

9. Standard form:  $11x - 4y = -9$

Slope-intercept form: \_\_\_\_\_

10. Standard form:  $4x + 2y = 7$

Slope-intercept form: \_\_\_\_\_

## Converting Linear Equations (B) Answers

Convert standard to slope-intercept forms.

1. Standard form:  $6x - 9y = -2$

Slope-intercept form:  $y = \frac{2}{3}x + \frac{2}{9}$

2. Standard form:  $x - 5y = -11$

Slope-intercept form:  $y = \frac{1}{5}x + \frac{11}{5}$

3. Standard form:  $10x - 8y = -2$

Slope-intercept form:  $y = \frac{5}{4}x + \frac{1}{4}$

4. Standard form:  $8x - 8y = 9$

Slope-intercept form:  $y = x - \frac{9}{8}$

5. Standard form:  $12x - 3y = 8$

Slope-intercept form:  $y = 4x - \frac{8}{3}$

6. Standard form:  $12x + 11y = 10$

Slope-intercept form:  $y = -\frac{12}{11}x + \frac{10}{11}$

7. Standard form:  $3x + 3y = -12$

Slope-intercept form:  $y = -x - 4$

8. Standard form:  $9x + 8y = 8$

Slope-intercept form:  $y = -\frac{9}{8}x + 1$

9. Standard form:  $11x - 4y = -9$

Slope-intercept form:  $y = \frac{11}{4}x + \frac{9}{4}$

10. Standard form:  $4x + 2y = 7$

Slope-intercept form:  $y = -2x + \frac{7}{2}$