

# Converting Linear Equations (J)

Convert standard to slope-intercept forms.

1. Standard form:  $8x + 5y = 1$

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

2. Standard form:  $10x + 10y = 5$

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

3. Standard form:  $8x - 2y = -11$

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

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

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

5. Standard form:  $3x + 6y = 9$

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

6. Standard form:  $5x + 4y = 3$

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

7. Standard form:  $10x - 8y = -4$

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

8. Standard form:  $5x + 8y = 6$

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

9. Standard form:  $10x - 6y = -2$

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

10. Standard form:  $2x + 3y = -7$

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

## Converting Linear Equations (J) Answers

Convert standard to slope-intercept forms.

1. Standard form:  $8x + 5y = 1$

Slope-intercept form:  $y = -\frac{8}{5}x + \frac{1}{5}$

2. Standard form:  $10x + 10y = 5$

Slope-intercept form:  $y = -x + \frac{1}{2}$

3. Standard form:  $8x - 2y = -11$

Slope-intercept form:  $y = 4x + \frac{11}{2}$

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

Slope-intercept form:  $y = -x + 1$

5. Standard form:  $3x + 6y = 9$

Slope-intercept form:  $y = -\frac{1}{2}x + \frac{3}{2}$

6. Standard form:  $5x + 4y = 3$

Slope-intercept form:  $y = -\frac{5}{4}x + \frac{3}{4}$

7. Standard form:  $10x - 8y = -4$

Slope-intercept form:  $y = \frac{5}{4}x + \frac{1}{2}$

8. Standard form:  $5x + 8y = 6$

Slope-intercept form:  $y = -\frac{5}{8}x + \frac{3}{4}$

9. Standard form:  $10x - 6y = -2$

Slope-intercept form:  $y = \frac{5}{3}x + \frac{1}{3}$

10. Standard form:  $2x + 3y = -7$

Slope-intercept form:  $y = -\frac{2}{3}x - \frac{7}{3}$