

Converting Linear Equations (J)

Convert between standard and slope-intercept forms.

1. Standard form: _____

Slope-intercept form: $y = \frac{5}{4}x + \frac{11}{8}$

2. Standard form: _____

Slope-intercept form: $y = \frac{3}{2}x - \frac{3}{8}$

3. Standard form: $4x - 7y = -4$

Slope-intercept form: _____

4. Standard form: _____

Slope-intercept form: $y = \frac{10}{7}x - \frac{1}{7}$

5. Standard form: _____

Slope-intercept form: $y = -\frac{1}{12}x + \frac{5}{6}$

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

Slope-intercept form: _____

7. Standard form: $8x + 3y = 4$

Slope-intercept form: _____

8. Standard form: $2x + 9y = -12$

Slope-intercept form: _____

9. Standard form: $x + 4y = -3$

Slope-intercept form: _____

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

Slope-intercept form: _____

Converting Linear Equations (J) Answers

Convert between standard and slope-intercept forms.

1. Standard form: $10x - 8y = -11$

Slope-intercept form: $y = \frac{5}{4}x + \frac{11}{8}$

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

Slope-intercept form: $y = \frac{3}{2}x - \frac{3}{8}$

3. Standard form: $4x - 7y = -4$

Slope-intercept form: $y = \frac{4}{7}x + \frac{4}{7}$

4. Standard form: $10x - 7y = 1$

Slope-intercept form: $y = \frac{10}{7}x - \frac{1}{7}$

5. Standard form: $x + 12y = 10$

Slope-intercept form: $y = -\frac{1}{12}x + \frac{5}{6}$

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

Slope-intercept form: $y = 5x - 2$

7. Standard form: $8x + 3y = 4$

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

8. Standard form: $2x + 9y = -12$

Slope-intercept form: $y = -\frac{2}{9}x - \frac{4}{3}$

9. Standard form: $x + 4y = -3$

Slope-intercept form: $y = -\frac{1}{4}x - \frac{3}{4}$

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

Slope-intercept form: $y = -\frac{4}{7}x - \frac{2}{7}$