

Slope Intercept Form---AKA "y-form"

Date _____ HW# _____

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Write the slope-intercept form of the equation of each line.

1) $-y = -2$

2) $2x = 2y - 6$

3) $9 = -4y - x$

4) $0 = 2x - \frac{10}{9} - \frac{2}{9}y$

5) $x = 5y$

6) $2 = -x - 2y$

7) $\frac{8}{7}x - \frac{16}{7} = -2y$

8) $-2x = y + 13$

9) $4x + 3y = -12$

10) $-3 = y$

11) $0 = -5 - x$

12) $-y + 1 - \frac{1}{5}x = 0$

Slope Intercept Form---AKA "y-form"

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Write the slope-intercept form of the equation of each line.

1) $4x = -y - 11$

2) $y - 1 + \frac{3}{4}x = 0$

3) $0 = -1 - y - x$

4) $0 = 2x - 5 + y$

5) $4y = -x + 4$

6) $-y + 4 = -x$

7) $-75 - 15y = 3x$

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

9) $-12 - 4y + 5x = 0$

10) $x - 2 = y$

11) $-5 = y + 5x$

12) $-5 = -x - y$

Slope Intercept Form---AKA "y-form"

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Write the slope-intercept form of the equation of each line.

1) $0 = 2 + 3x - 4y$

2) $-y + 2x = 5$

3) $0 = 5x - 11 + 7y$

4) $-7x + 9 = -y$

5) $-5 = 6x - y$

6) $-y + 2 - \frac{2}{5}x = 0$

7) $-3y - 12 = -7x$

8) $-x = -2$

9) $-8 + 5x = -4y$

10) $-3y = 2x + 2$

11) $\frac{5}{7}y - \frac{15}{7} = -x$

12) $x = -2y + 10$

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Write the slope-intercept form of the equation of each line.

1) $2y = 2 - x$

2) $1 = y + 5x$

3) $-1 + \frac{7}{3}x = -\frac{1}{3}y$

4) $-8y = -40 + 6x$

5) $0 = 1 - x$

6) $8 + 9x + 2y = 0$

7) $-y + 3 = 0$

8) $3x - 2y = -4$

9) $1 = \frac{1}{4}y - \frac{3}{8}x$

10) $-y = -x - 3$

11) $7x = 15 - 5y$

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

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Write the slope-intercept form of the equation of each line.

1) $5y = -15 + 4x$

2) $-2y = -2 - x$

3) $2y = -4 - x$

4) $-10 = 5y - 2x$

5) $-5y - 4x = 0$

6) $3x = 4 - 2y$

7) $-16 - 9x = -4y$

8) $-25 = -4x - 5y$

9) $-4x = -6 + 3y$

10) $5y - 5 = 6x$

11) $0 = -9x + 3y$

12) $-5 = x + \frac{5}{3}y$

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Write the slope-intercept form of the equation of each line.

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

2) $2y = -\frac{18}{7} - \frac{6}{7}x$

3) $2y = 4$

4) $-40 = 8y + 10x$

5) $-14x + 4y = 48$

6) $-2x - y = 3$

7) $-4y + 8 + 6x = 0$

8) $21x - 15 = -3y$

9) $0 = -5x - 23 - 2y$

10) $-\frac{1}{3}x = y$

11) $0 = -y - 5x - 5$

12) $2y + 4 = x$

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Write the slope-intercept form of the equation of each line.

1) $0 = 4 + x$

2) $-1 = 2x + y$

3) $y - 5 = x$

4) $0 = 3y + 2x - 9$

5) $-y - 7x = -4$

6) $-2 + 3x = 2y$

7) $5x - 4y = 0$

8) $-y = 4 + \frac{4}{3}x$

9) $-45 + 3x + 15y = 0$

10) $-y = 4$

11) $-15 + 2x = 3y$

12) $15 = -x - 5y$

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Write the slope-intercept form of the equation of each line.

1) $0 = 8y + 18x - 40$

2) $-y - 3x = -3$

3) $-y = -1 + 4x$

4) $3y = -4x + 3$

5) $0 = -9y - 37 - 2x$

6) $-\frac{2}{9}y - \frac{10}{9} = -2x$

7) $4 = -x - y$

8) $y + 2x - 4 = 0$

9) $2x = -15 + 5y$

10) $12 + 4x - 3y = 0$

11) $-54 = -15x + 3y$

12) $0 = -2y + x$

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Write the slope-intercept form of the equation of each line.

1) $-1 + y = \frac{1}{2}x$

2) $3x = 2 - 2y$

3) $0 = -1 - \frac{1}{5}y - \frac{2}{5}x$

4) $x = 8 + 5y$

5) $x - 5 = -y$

6) $-3 + y = 0$

7) $-5x = 12 - 3y$

8) $-27 - 6y + 3x = 0$

9) $-4x = -y - 8$

10) $-4y - 9x + 20 = 0$

11) $-3y = -1 - \frac{1}{2}x$

12) $0 = -5x - 2y + 4$

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Write the slope-intercept form of the equation of each line.

1) $-y - x = 0$

2) $-7x + y = -5$

3) $-y + 3 = -x$

4) $6 = -2y$

5) $6x - 8y = 16$

6) $15y - 45 + 24x = 0$

7) $2 - y = 0$

8) $-x - \frac{3}{7}y = \frac{6}{7}$

9) $-5x = 2y$

10) $1 + y = -x$

11) $-4 = -2x + y$

12) $3x + 2y - 4 = 0$

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Write the slope-intercept form of the equation of each line.

1) $8x = -y - 3$

2) $-10 - 2y = -3x$

3) $2x - y = -4$

4) $-5y = 9 - x$

5) $-25 = 4x + 5y$

6) $2 + y = -\frac{1}{5}x$

7) $2y + 3x = 2$

8) $0 = y - 4x$

9) $-5y - 20 + 4x = 0$

10) $-4 = -y - x$

11) $6y = 24 + 15x$

12) $-2x + y = 8$

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Write the slope-intercept form of the equation of each line.

1) $4x + y = -4$

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

3) $2y = 3x - 6$

4) $-x = 4 + 2y$

5) $4y = -12 - x$

6) $10x = -15 + 3y$

7) $1 - y = -x$

8) $6x + 4 = y$

9) $0 = 1 + \frac{1}{3}x$

10) $-y + 3 = \frac{7}{5}x$

11) $-3y + 6x = 15$

12) $-4x + 5y = -15$

Slope Intercept Form---AKA "y-form"

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Write the slope-intercept form of the equation of each line.

1) $-x - y - 5 = 0$

2) $-14x = -20 + 10y$

3) $0 = -7x - y + 5$

4) $1 - y + x = 0$

5) $-10 = 2y + 9x$

6) $-20 - y = -4x$

7) $-3 = -y$

8) $12 + 3x = 0$

9) $-8 - x - 2y = 0$

10) $14 - 2x = -8y$

11) $0 = 3y - 6x$

12) $0 = -1 + \frac{1}{3}y + \frac{1}{6}x$

Slope Intercept Form---AKA "y-form"

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Write the slope-intercept form of the equation of each line.

1) $6x + 3y = -12$

2) $-4x - 14 = -6y$

3) $3 + x = 3y$

4) $-y + 4 - 7x = 0$

5) $2 = -7y - x$

6) $2x = 2y + 8$

7) $-12 - 7x = -3y$

8) $-x - 3y = -9$

9) $5 + x = -y$

10) $0 = -1 + \frac{1}{5}x + \frac{9}{10}y$

11) $-2 + x = -y$

12) $\frac{1}{3}y = 1 - \frac{2}{15}x$

Slope Intercept Form---AKA "y-form"

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Write the slope-intercept form of the equation of each line.

1) $-2x + 4 - y = 0$

2) $4x + y = 1$

3) $2 = -y + 2x$

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

5) $2y + 2x = 0$

6) $2x = -15 - 5y$

7) $3 = x$

8) $10 = -2x + 5y$

9) $4 = y + 4x$

10) $x - 1 - y = 0$

11) $-1 = -y$

12) $2x = -9 - 3y$

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Write the slope-intercept form of the equation of each line.

1) $-3y = 15 - 24x$

2) $-y + 5 + x = 0$

3) $-\frac{3}{2}x = y - 1$

4) $3 = 4y - x$

5) $4 - x + 3y = 0$

6) $1 + y = 0$

7) $-2 + x = 0$

8) $0 = -5 - y$

9) $0 = -x - 3y - 14$

10) $-2x = -5y - 20$

11) $-4x = -10y + 20$

12) $2y = -7 + x$

Slope Intercept Form---AKA "y-form"

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Write the slope-intercept form of the equation of each line.

1) $-6 = 3y + 7x$

2) $3x = -y + 2$

3) $5y = 15 + 3x$

4) $-y = -3x + 4$

5) $0 = -2x + 3y + 9$

6) $-2y - 3x - 10 = 0$

7) $1 + x = -y$

8) $-x - 3 = -y$

9) $0 = -x + 5 + y$

10) $2y + 3x = 10$

11) $4x + 2y = 8$

12) $-6y - 6 + 3x = 0$

Slope Intercept Form---AKA "y-form"

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Write the slope-intercept form of the equation of each line.

1) $4y = -16 - x$

2) $5y = -8x + 15$

3) $0 = -2y + 10 + 7x$

4) $0 = 3 - 3y - 5x$

5) $4 - x - y = 0$

6) $0 = 3 - y$

7) $0 = -x + y$

8) $-y = -2 - 7x$

9) $-5x = -12 - 3y$

10) $3x = 12$

11) $3y - 15 = 8x$

12) $-6y = 9x$

Slope Intercept Form---AKA "y-form"

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Write the slope-intercept form of the equation of each line.

1) $6x - y = -4$

2) $1 = -x + \frac{3}{4}y$

3) $x = -20 + 4y$

4) $0 = 2 - y$

5) $0 = -1 + \frac{1}{5}y + \frac{4}{15}x$

6) $25 = 4y - 5x$

7) $16 = 3x - 2y$

8) $-y + 2 + \frac{3}{5}x = 0$

9) $2y - 2 = -3x$

10) $8x + 3y = -9$

11) $\frac{1}{4}y = -x - \frac{7}{2}$

12) $-1 + \frac{1}{6}x = -\frac{1}{3}y$

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Write the slope-intercept form of the equation of each line.

1) $4x = -3y - 3$

2) $-15 = 3y - 6x$

3) $-4 - x = 4y$

4) $2x = y$

5) $-6 + 2y - 12x = 0$

6) $2y + 9x = -10$

7) $-8x = -40 - 10y$

8) $9 + x = -3y$

9) $0 = -2 + 2y - 3x$

10) $-3x = -5y + 10$

11) $10x + 2y = -4$

12) $x - 6 = -3y$

Slope Intercept Form---AKA "y-form"

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Write the slope-intercept form of the equation of each line.

1) $-14x = 6 - 16y$

2) $-2x + 3 = y$

3) $0 = -3x + 12 - 3y$

4) $2 = -2y$

5) $-x - 2 - 4y = 0$

6) $-2y - x + 6 = 0$

7) $\frac{1}{5}y = 1 - \frac{9}{5}x$

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

9) $11 + 3x = 4y$

10) $x = -y$

11) $\frac{5}{9}y = -x + \frac{25}{9}$

12) $0 = 6y + 30 + 27x$

Slope Intercept Form---AKA "y-form"

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Write the slope-intercept form of the equation of each line.

1) $5y = -2x - 15$

2) $x + 1 = y$

3) $x + 9 + 3y = 0$

4) $0 = -y + 3$

5) $-2 + 2x = y$

6) $-16 - 4y - 10x = 0$

7) $-x = -2$

8) $-4x + 20 - 5y = 0$

9) $3y = -15 + x$

10) $-1 - 4x + y = 0$

11) $-\frac{5}{6}y + \frac{25}{6} = -x$

12) $0 = y - 5 - 2x$

Slope Intercept Form---AKA "y-form"

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Write the slope-intercept form of the equation of each line.

1) $0 = 15y + 18x + 15$

2) $2x - y = -4$

3) $5y = 25 + 6x$

4) $-2 = y - x$

5) $15y = 15 - 3x$

6) $-2y = -4x + 10$

7) $-x - 5 = y$

8) $2x + 3y = 6$

9) $-7x = 2y - 6$

10) $-6x = 15y - 30$

11) $-5 + 5y = x$

12) $-10 + 5x = -2y$

Slope Intercept Form---AKA "y-form"

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Write the slope-intercept form of the equation of each line.

1) $-x - \frac{1}{2} = \frac{3}{4}y$

2) $0 = -y$

3) $2 = -2y - 5x$

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

5) $2x + y = -6$

6) $0 = x + \frac{1}{2}y$

7) $-3x + 7y = -19$

8) $-2 = -y$

9) $-\frac{1}{2}y = -x - \frac{3}{2}$

10) $0 = 14y + 66 - 2x$

11) $-12 = -4y + 5x$

12) $0 = -y - 3x + 2$

Slope Intercept Form---AKA "y-form"

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Write the slope-intercept form of the equation of each line.

1) $14x - 4 + 2y = 0$

2) $5x = 2y + 8$

3) $-2x + 1 - y = 0$

4) $5y + 8x + 20 = 0$

5) $-x - \frac{2}{3}y = 0$

6) $x = 2y + 4$

7) $-10 - 3x = 2y$

8) $4x + 3y = 0$

9) $y + \frac{7}{4}x = -3$

10) $-\frac{1}{5}x = 1$

11) $-2x - 30 = 10y$

12) $3 + x = 0$

Slope Intercept Form---AKA "y-form"

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Write the slope-intercept form of the equation of each line.

1) $-9x = 4 + y$

2) $8x = 15 + 5y$

3) $0 = 1 - \frac{1}{2}y + \frac{3}{8}x$

4) $-8 - 3x - 5y = 0$

5) $0 = -8 + 3x + 2y$

6) $0 = -x + 1 - y$

7) $-y + 2 = x$

8) $-25 + 5y = -7x$

9) $x + 20 = 5y$

10) $3y = 5x - 15$

11) $-2y + 10 + 7x = 0$

12) $9y - 2 = 4x$

Slope Intercept Form---AKA "y-form"

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Write the slope-intercept form of the equation of each line.

1) $-x = -5 - y$

2) $-3y - 3x = 0$

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

4) $9y - 2x - 19 = 0$

5) $x = -2y - 6$

6) $15 - 4x = 3y$

7) $-3 + x = -y$

8) $7x = -3y - 12$

9) $12x - 2y + 6 = 0$

10) $4 = 2y$

11) $-4x + 3y = 6$

12) $-x - 20 = -4y$

Slope Intercept Form---AKA "y-form"

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Write the slope-intercept form of the equation of each line.

1) $1 = y$

2) $9y + 9 = -12x$

3) $y - \frac{1}{4}x = -1$

4) $-6x + y - 3 = 0$

5) $0 = 15 + 2x - 3y$

6) $x = -4 + y$

7) $-9x = y - 5$

8) $x - 4 = -y$

9) $x = -3y + 6$

10) $-2y = 4 + 8x$

11) $2y = 2 - 2x$

12) $0 = y - 2x$

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Write the slope-intercept form of the equation of each line.

1) $3y - 6 + 2x = 0$

2) $\frac{6}{5}x = -y + 4$

3) $8 + x = -2y$

4) $0 = 2 + 5x - y$

5) $7x = -15 + 5y$

6) $0 = -2y + 2x + 8$

7) $-y - 4 = 2x$

8) $y + x = -1$

9) $2y = 2 - \frac{6}{5}x$

10) $\frac{16}{5} = x + \frac{4}{5}y$

11) $-x = -3 + 3y$

12) $3y + 6x = 3$

Slope Intercept Form---AKA "y-form"

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Write the slope-intercept form of the equation of each line.

1) $3x - 2y = 4$

2) $-y - 5 = 3x$

3) $21x = 15y - 75$

4) $-x - y = 1$

5) $3 = -x$

6) $0 = 2 + x$

7) $5 + 2x = y$

8) $0 = -2y + 2x$

9) $x = -3y - 9$

10) $3y = 4x + 3$

11) $4 - y = 8x$

12) $3x - 9y = 45$