Algebra 1

Name_____

Write the Equation of the Line:Given two points

Date_____

Write the slope-intercept form of the equation of the line through the given points.

1) through: $(0, 3)$ and $(-4, -1)$

2) through: $(0, 2)$ and $(1, -3)$

3) through: $(-4, 0)$ and $(1, 5)$

4) through: $(-4, -2)$ and $(-3, 5)$

5) through: $(5, 4)$ and $(-4, 3)$

6) through: $(-4, 2)$ and $(0, -5)$

7) through: $(5, -2)$ and $(-4, -3)$

8) through: $(-4, 5)$ and $(5, -5)$

9) through: $(0, -2)$ and $(-5, 3)$

10) through: $(4, -2)$ and $(-4, -4)$

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Write the slope-intercept form of the equation of the line through the given points.

1) through: $(0, 3)$ and $(-4, -1)$

$y = x + 3$

2) through: $(0, 2)$ and $(1, -3)$

$y = -5x + 2$

3) through: $(-4, 0)$ and $(1, 5)$

$y = x + 4$

4) through: $(-4, -2)$ and $(-3, 5)$

$y = 7x + 26$

5) through: $(5, 4)$ and $(-4, 3)$

$y = \dfrac{1}{9}x + \dfrac{31}{9}$

6) through: $(-4, 2)$ and $(0, -5)$

$y = -\dfrac{7}{4}x - 5$

7) through: $(5, -2)$ and $(-4, -3)$

$y = \dfrac{1}{9}x - \dfrac{23}{9}$

8) through: $(-4, 5)$ and $(5, -5)$

$y = -\dfrac{10}{9}x + \dfrac{5}{9}$

9) through: $(0, -2)$ and $(-5, 3)$

$y = -x - 2$

10) through: $(4, -2)$ and $(-4, -4)$

$y = \dfrac{1}{4}x - 3$

Algebra 1   Name_____

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Write the slope-intercept form of the equation of the line through the given points.

1) through: $(-5, -2)$ and $(3, -1)$

2) through: $(-5, -1)$ and $(1, -4)$

3) through: $(5, 1)$ and $(-5, 3)$

4) through: $(-1, 0)$ and $(5, 5)$

5) through: $(-2, 2)$ and $(-5, -4)$

6) through: $(5, 3)$ and $(4, 5)$

7) through: $(2, 2)$ and $(-5, -1)$

8) through: $(-3, 5)$ and $(-3, 4)$

9) through: $(5, 5)$ and $(4, -5)$

10) through: $(5, 1)$ and $(1, 3)$

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Write the slope-intercept form of the equation of the line through the given points.

1) through: $(-5, -2)$ and $(3, -1)$

$$y = \frac{1}{8}x - \frac{11}{8}$$

2) through: $(-5, -1)$ and $(1, -4)$

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

3) through: $(5, 1)$ and $(-5, 3)$

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

4) through: $(-1, 0)$ and $(5, 5)$

$$y = \frac{5}{6}x + \frac{5}{6}$$

5) through: $(-2, 2)$ and $(-5, -4)$

$$y = 2x + 6$$

6) through: $(5, 3)$ and $(4, 5)$

$$y = -2x + 13$$

7) through: $(2, 2)$ and $(-5, -1)$

$$y = \frac{3}{7}x + \frac{8}{7}$$

8) through: $(-3, 5)$ and $(-3, 4)$

$$x = -3$$

9) through: $(5, 5)$ and $(4, -5)$

$$y = 10x - 45$$

10) through: $(5, 1)$ and $(1, 3)$

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

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Write the Equation of the Line:Given two points

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Write the slope-intercept form of the equation of the line through the given points.

1) through: $(0, -5)$ and $(4, 3)$

2) through: $(-4, 3)$ and $(0, -4)$

3) through: $(2, 5)$ and $(0, -4)$

4) through: $(0, -3)$ and $(1, -4)$

5) through: $(0, -1)$ and $(-2, -1)$

6) through: $(4, -1)$ and $(0, -3)$

7) through: $(3, -5)$ and $(0, 0)$

8) through: $(-5, -2)$ and $(0, -1)$

9) through: $(0, 0)$ and $(-1, 1)$

10) through: $(0, 1)$ and $(-3, -3)$

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Write the Equation of the Line:Given two points

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Write the slope-intercept form of the equation of the line through the given points.

1) through: $(0, -5)$ and $(4, 3)$

$y = 2x - 5$

2) through: $(-4, 3)$ and $(0, -4)$

$y = -\dfrac{7}{4}x - 4$

3) through: $(2, 5)$ and $(0, -4)$

$y = \dfrac{9}{2}x - 4$

4) through: $(0, -3)$ and $(1, -4)$

$y = -x - 3$

5) through: $(0, -1)$ and $(-2, -1)$

$y = -1$

6) through: $(4, -1)$ and $(0, -3)$

$y = \dfrac{1}{2}x - 3$

7) through: $(3, -5)$ and $(0, 0)$

$y = -\dfrac{5}{3}x$

8) through: $(-5, -2)$ and $(0, -1)$

$y = \dfrac{1}{5}x - 1$

9) through: $(0, 0)$ and $(-1, 1)$

$y = -x$

10) through: $(0, 1)$ and $(-3, -3)$

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

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Write the slope-intercept form of the equation of the line through the given points.

1) through: $(0, 3)$ and $(1, 1)$

2) through: $(-1, 4)$ and $(0, 4)$

3) through: $(4, 4)$ and $(3, -5)$

4) through: $(0, 2)$ and $(5, 5)$

5) through: $(2, -1)$ and $(-4, 5)$

6) through: $(2, -3)$ and $(3, -5)$

7) through: $(2, 5)$ and $(-1, -4)$

8) through: $(0, 5)$ and $(3, 3)$

9) through: $(5, 5)$ and $(2, -3)$

10) through: $(2, 1)$ and $(-5, -3)$

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Write the slope-intercept form of the equation of the line through the given points.

1) through: $(0, 3)$ and $(1, 1)$

$y = -2x + 3$

2) through: $(-1, 4)$ and $(0, 4)$

$y = 4$

3) through: $(4, 4)$ and $(3, -5)$

$y = 9x - 32$

4) through: $(0, 2)$ and $(5, 5)$

$y = \dfrac{3}{5}x + 2$

5) through: $(2, -1)$ and $(-4, 5)$

$y = -x + 1$

6) through: $(2, -3)$ and $(3, -5)$

$y = -2x + 1$

7) through: $(2, 5)$ and $(-1, -4)$

$y = 3x - 1$

8) through: $(0, 5)$ and $(3, 3)$

$y = -\dfrac{2}{3}x + 5$

9) through: $(5, 5)$ and $(2, -3)$

$y = \dfrac{8}{3}x - \dfrac{25}{3}$

10) through: $(2, 1)$ and $(-5, -3)$

$y = \dfrac{4}{7}x - \dfrac{1}{7}$

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Write the Equation of the Line:Given two points

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Write the slope-intercept form of the equation of the line through the given points.

1) through: $(-2, -2)$ and $(2, -5)$

2) through: $(5, -1)$ and $(2, 3)$

3) through: $(1, -3)$ and $(-3, 1)$

4) through: $(1, 5)$ and $(4, 1)$

5) through: $(1, 0)$ and $(-3, 3)$

6) through: $(-3, 2)$ and $(1, -1)$

7) through: $(3, 3)$ and $(1, -5)$

8) through: $(0, 2)$ and $(-3, 3)$

9) through: $(0, 0)$ and $(-4, 5)$

10) through: $(4, 1)$ and $(-1, 4)$

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Write the Equation of the Line:Given two points

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Write the slope-intercept form of the equation of the line through the given points.

1) through: $(-2, -2)$ and $(2, -5)$

$$y = -\frac{3}{4}x - \frac{7}{2}$$

2) through: $(5, -1)$ and $(2, 3)$

$$y = -\frac{4}{3}x + \frac{17}{3}$$

3) through: $(1, -3)$ and $(-3, 1)$

$$y = -x - 2$$

4) through: $(1, 5)$ and $(4, 1)$

$$y = -\frac{4}{3}x + \frac{19}{3}$$

5) through: $(1, 0)$ and $(-3, 3)$

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

6) through: $(-3, 2)$ and $(1, -1)$

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

7) through: $(3, 3)$ and $(1, -5)$

$$y = 4x - 9$$

8) through: $(0, 2)$ and $(-3, 3)$

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

9) through: $(0, 0)$ and $(-4, 5)$

$$y = -\frac{5}{4}x$$

10) through: $(4, 1)$ and $(-1, 4)$

$$y = -\frac{3}{5}x + \frac{17}{5}$$