Algebra 1 - Clark

Name_____

Writing Equations - Two Points

Date_____ Period_____

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

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

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

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

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

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

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

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

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

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

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

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

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

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

14) through: $(0, -3)$ and $(-3, 3)$

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

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

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

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

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

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

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

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

$$y = -3x + 1$$

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

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

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

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

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

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

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

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

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

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

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

$y = -3x - 4$

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

$y = -\dfrac{1}{3}x + \dfrac{14}{3}$

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

$y = x - 1$

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

$y = -\dfrac{7}{5}x - \dfrac{18}{5}$

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

$y = \dfrac{3}{5}x + \dfrac{9}{5}$

14) through: $(0, -3)$ and $(-3, 3)$

$y = -2x - 3$

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

$y = \dfrac{1}{2}x - \dfrac{11}{2}$

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

$y = \dfrac{1}{8}x + \dfrac{9}{2}$