

Slope Intercept from 2-points

Date _____

Period _____

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

1) through: $(4, -2)$ and $(-2, -4)$ 2) through: $(-4, -2)$ and $(-2, 2)$ 3) through: $(4, -3)$ and $(5, 1)$ 4) through: $(-4, -1)$ and $(1, -3)$

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

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

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

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

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

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

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Date _____ Period _____

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

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

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

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

$$y = 2x + 6$$

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

$$y = 4x - 19$$

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

$$y = -\frac{2}{5}x - \frac{13}{5}$$

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

$$y = \frac{9}{2}x + 14$$

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

$$x = -5$$

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

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

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

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

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

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

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

$$y = -\frac{4}{3}x - 5$$