

Line Practice

Date _____ Period _____

Write the equation of the line in slope-intercept form for the line that passes through the two points.

1) $(-10, 15), (6, 10)$

2) $(-3, 10), (8, 0)$

3) $(3, 5), (8, 4)$

4) $(10, -11), (10, -4)$

5) $(-5, 11), (-10, -17)$

6) $(-3, -6), (-1, -6)$

7) $(3, 7), (8, 1)$

8) $(-4, 16), (-18, 0)$

Write the standard form of the equation of the line described.

9) through: $(5, -2)$, parallel to $y = -x - 3$

10) through: $(0, -1)$, parallel to $y = -6x + 3$

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

11) through: $(-4, -5)$, perp. to $y = -\frac{4}{3}x + 1$

12) through: $(1, -4)$, perp. to $y = -x - 4$

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Date _____ Period _____

Write the equation of the line in slope-intercept form for the line that passes through the two points.

1) $(-10, 15), (6, 10)$

$$-\frac{5}{16}$$

2) $(-3, 10), (8, 0)$

$$-\frac{10}{11}$$

3) $(3, 5), (8, 4)$

$$-\frac{1}{5}$$

4) $(10, -11), (10, -4)$

Undefined

5) $(-5, 11), (-10, -17)$

$$\frac{28}{5}$$

6) $(-3, -6), (-1, -6)$

0

7) $(3, 7), (8, 1)$

$$-\frac{6}{5}$$

8) $(-4, 16), (-18, 0)$

$$\frac{8}{7}$$

Write the standard form of the equation of the line described.

9) through: $(5, -2)$, parallel to $y = -x - 3$

$$x + y = 3$$

10) through: $(0, -1)$, parallel to $y = -6x + 3$

$$6x + y = -1$$

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

11) through: $(-4, -5)$, perp. to $y = -\frac{4}{3}x + 1$

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

12) through: $(1, -4)$, perp. to $y = -x - 4$

$$y = x - 5$$