Name:

Date:

Writing Linear Equations

Find the equation of the line passing through the given points.

1) $(2,1), (1,-1)$

2) $(4,8), (0,4)$

3) $(7,5), (6,10)$

4) $(21,4), (23,10)$

5) $(8,-16), (0,0)$

6) $(7,7), (12,12)$

7) $(3,7), (5,13)$

8) $(1,1), (5,21)$

9) $(-6,0), (0,-2)$

10) $(0,3), (-5,18)$

11) $(2,-8), (18,8)$

12) $(-2,6), (5,-8)$

Writing Linear Equations

Name:

Date:

Answers

Find the equation of the line passing through the given points.

1) $(2,1), (1,-1)$
$y = 2x - 3$

2) $(4,8), (0,4)$
$y = 2x - 4$

3) $(7,5), (6,10)$
$y = -5x + 40$

4) $(21,4), (23,10)$
$y = 3x - 59$

5) $(8,-16), (0,0)$
$y = 2x$

6) $(7,7), (12,12)$
$y = x$

7) $(3,7), (5,13)$
$y = 3x - 2$

8) $(1,1), (5,21)$
$y = 5x - 4$

9) $(-6,0), (0,-2)$
$y = -\frac{1}{3}x - 2$

10) $(0,3), (-5,18)$
$y = -3x + 3$

11) $(2,-8), (18,8)$
$y = x - 10$

12) $(-2,6), (5,-8)$
$y = -2x + 2$