

Homework 17.3

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Solve each system by substitution.

1) $y = x$
 $-x + 3y = -14$

2) $y = -3x - 6$
 $8x + 4y = -12$

3) $-2x + 2y = 0$
 $y = -6x$

4) $8x - 2y = 20$
 $y = -8x + 2$

5) $7x - 4y = 14$
 $y = -7x - 21$

6) $-2x - y = 0$
 $y = 3x$

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

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

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

Answers to Homework 17.3

1) $(-7, -7)$

5) $(-2, -7)$

2) $(-3, 3)$

6) $(0, 0)$

3) $(0, 0)$

7) $y = \frac{1}{4}x + 1$

4) $(1, -6)$

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