Extra Practice Systems of Equations (Substitution)

Solve each system by substitution.

1) $-4x - 3y = 1$
$y = 1$

2) $-3x + 3y = 9$
$y = 2x + 4$

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

4) $6x + 8y = -18$
$y = 3x - 6$

5) $-3x - 3y = -21$
$y = 2x - 17$

6) $3x - 2y = -8$
$y = 4x + 24$

7) $-x - 4y = -2$
$x = y + 7$

8) $4 - 2y = x$
$x + 9y = 11$

9) $x - 7y = 21$
$-x + 4y = -9$

10) $x + 9y = 11$
$-x + 9y = 7$

11) Is the point (-7, -4) a solution of the system of linear equations: below

x = -7
x - y = -11

12) Is the point (2, 1) a solution of the system of linear equations below:

x + y = 3
y - x = 1

Answers to Extra Practice Systems of Equations (Substitution)

1) $(-1, 1)$
2) $(-1, 2)$
3) $(-1, -2)$
4) $(1, -3)$
5) $(8, -1)$
6) $(-8, -8)$
7) $(6, -1)$
8) $(2, 1)$
9) $(-7, -4)$
10) $(2, 1)$
11) No
12) No