Algebra Name_____

Mixed Practice Equality and Substitution

Date_____ Period____

Solve each system by equality.

1) $y = 2x + 6$
$4x - 7y = 8$

2) $-4 - y = x$
$y = -6x + 19$

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

4) $y = 4x + 14$
$-2x - 6y = -6$

Solve each system by substitution.

5) $-x + y = 6$
$-6x - 5y = 14$

6) $-3x + 4y = 17$
$x - 3y = -4$

7) $3x - 3y = 3$
$x = 5y - 15$

8) $x = 14 - 5y$
$-4x + 6y = -4$

Choose either equality or substitution to solve each system.

9) $-7x + 7y = 14$
$x - 4y = -14$

10) $-8x + 7y = 9$
$-x + y = 1$

11) $5x + y = -18$
$6x + 6y = 12$

12) $5x + 8y = 6$
$-4x + 8y = 24$

Answers to Mixed Practice Equality and Substitution

1) $(-5, -4)$
2) $(3, 1)$
3) $(-6, -4)$
4) $(-3, 2)$
5) $(-4, 2)$
6) $(-7, -1)$
7) $(5, 4)$
8) $(4, 2)$
9) $(2, 4)$
10) $(-2, -1)$
11) $(-5, 7)$
12) $(-2, 2)$