Name _____ Date Answer Key

SYSTEMS OF EQUATIONS: SUBSTITUTION #1

Use substitution to solve each system of equations.

1.
$y = 6$
$-x + y = 2$
(4 , 6)

2.
$x = 5$
$3x - 2y = 9$
(5 , 3)

3.
$4x = -8$
$2x + 5y = 6$
(−2 , 2)

4.
$y = -5x$
$6x + y = 2$
(2 , −10)

5.
$x = 9y$
$3y - 3x = 24$
(−9 , −1)

6.
$y - x = -8$
$2x - 16 = y$
(8 , 0)

7.
$y = 3x + 1$
$y = 8x - 4$
(1 , 4)

8.
$x + y = 0$
$5x + 4y = 6$
(6 , −6)

9.
$2y = -2x + 6$
$x - 5y = -15$
(0 , 3)

10.
$5x + y = 2$
$20x + 3y = -4$
(−2 , 12)

11.
$-8x + 2y = -14$
$4x - 6y = 22$
(1 , −3)

12.
$2x + 4y = -18$
$5x - 10y = -5$
(−5 , −2)