Garvin

Name:_____

Systems of Equations (Substitution Method) - ANSWERS

Date:_____

1) $3x = 3y + 39$
$x = 3y + 19$ **answer:** $x = 10, y = -3$

2) $y = -x + 2$
$3y + 5x = 16$ **answer:** $x = 5, y = -3$

3) $4y + 4x = 56$
$y = x - 6$ **answer:** $x = 10, y = 4$

4) $x = y - 8$
$x = -4y + 32$ **answer:** $x = 0, y = 8$

5) $3y + 3x = -12$
$y = -4x + 11$ **answer:** $x = 5, y = -9$

6) $x = -5y + 27$
$x - 2y = -1$ **answer:** $x = 7, y = 4$

7) $-3x = -3y + 0$
$x = -y - 20$ **answer:** $x = -10, y = -10$

8) $x = -4y - 24$
$4x + 5y = -19$ **answer:** $x = 4, y = -7$

9) $x = -2y - 6$
$-3x + 3y = 27$ **answer:** $x = -8, y = 1$

10) $x = 4y - 16$
$x = 2y - 8$ **answer:** $x = 0, y = 4$

11) $x = 4y - 6$
$-x - 4y = -18$ **answer:** $x = 6, y = 3$

12) $x = -3y + 19$
$5x - 5y = 35$ **answer:** $x = 10, y = 3$