Solving Systems of Linear Equations using *Elimination*_2

Name:

Period:

Solve the following systems using the *elimination method*. Show all of your work.

1. $3x - y = 30$
$-3x + 7y = 6$

5. $4x - 3y = 8$
$5x - 2y = -11$

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

6. $12x - 7y = -2$
$-8x + 11y = 14$

3. $x + y = 2$
$2x + 7y = 9$

7. $8x - 5y = 11$
$4x = 3y + 5$

4. $3x - 2y = 3$
$-x + y = 1$

8. $3x - 7y = 5$
$9y = 5x + 5$

Solve the following system using the *substitution* method. Show all your work

9. $x = y + 3$
$2x - y = 5$

10. $0.5x + 0.6y = 5.7$
$y = 2x + 1$