Name: Date: Period:

Solve each system of equations algebraically for x and y and CHECK your answers. Show all of your work.

1. $y - 2x = 7$
    $x + y = -2$

2. $x + 9y = -6$
    $2x - 9y = 15$

3. $x + 2y = 4$
    $y = 2x + 7$

4. $x - 4y = 16$
    $y = 1 - x$

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

6. $2x + y = 4$
    $x - 2y = 7$

7. $6x + 2y = 14$
    $3x + 2y = 8$

8. $4x = 5y + 35$
    $6x + 7y = 9$