Systems of Equations - Day 9   Name_____

Notes   Date_____Period_____

Solve the System of Equations using graphing, substitution, or elimination.

Graphing	Substitution	Elimination
• Both equations must equal y. • Graph on the calculator and find the point of intersection	• One of the two equations must have x or y by itself • Substitute in the value and solve for both variables	• Look for opposite values of either x or y and combine the two equations. • Solve for both variables.

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

2. $3x + 2y = 12$
    $2x - 2y = 18$

3. $y = 4x$
    $6x + y = 50$

4. $4x + 5y = 24$
    $3x + 6y = 36$

5. $y = 15 - 2x$
    $y = 12 + x$

6. $2x + y = 9$
    $3x + y = 7$