Systems of Equations - Day 6   Name_____

Notes   Date_____Period_____

Solving Systems using Substitution – Part 2

- One of the two equations must have x or y by itself.   (If both equations are solved for y, set them equal to each other.)
- Plug the value into the appropriate variable.
- Solve for one variable, then the other.

1. $y = 2x$ 2. $x = -3y$
      $3x + y = 10$ $15x - 2y = 94$

3. $y = 2x - 10$ 4. $y = 23 - x$
      $4x - 3y = 24$ $9x - 8y = 37$

Inconsistent & Consistent Systems

5. $y = -2x + 10$ 6. $y = 3x - 5$
      $4x + 2y = -26$ $3x - y = 5$