DO NOW

Is (2, 2) a solution to the system of equations?

$$2x = y + 2$$

$$x + y = 7$$



Mar 8-11:26 AM

Homework Answers

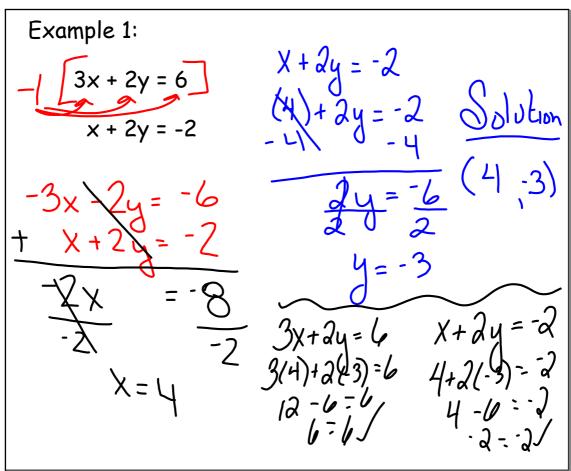
- 1) (5, 3)
- 2) No solution
- 3) (2, 7)
- **4)** (-5, 40)

Systems of Equations - Elimination Method

Solving systems of linear equations by addition.

- 1. Variables, Constants, Operations, Equal Signs must be "lined up"
- 2. Make sure the variable being eliminated has the same coefficient with opposite signs. (One has to be negative one has to be positive!) Multiply if necessary to create new equations.
- 3. Add your two equations together, and one of the variables should eliminate!
- 4. Solve
- 5. Substitute back into one of the original equations to find the other variable.
- 6. Check your solution

Jan 14-12:57 PM



Example 2:
$$x-y=2$$
 $y=2$ $y=2$

Jan 14-12:59 PM

