Steps for Solving by Substitution:

1. Solve one of your equations for x or y.
2. Substitute "plug" that into the other equation.
3. Solve for the variable.
4. Substitute "plug" your answer into either equation.
5. Solve for the other variable.
6. Write as a coordinate (x, y), if possible.

Solve the following by SUBSTITUTION

$$x = -4$$

$$3x + 2y = 20$$

Solve the following by SUBSTITUTION

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

$$y = x - 1$$

Solve the following by SUBSTITUTION

$$x = -5y + 4$$

$$3x + 15y = -1$$

Solve the following by SUBSTITUTION

$$x = 5y + 10$$

$$2x - 10y = 20$$

Solve the following by SUBSTITUTION

$$2x + y = 3$$

$$-4x + y = -9$$

Solve the following by SUBSTITUTION

$$2x + y = -2$$

$$-4x - 2y = -7$$

Solve the following by SUBSTITUTION

$$4x - y = 7$$

$$-7x + y = -13$$

Solve the following by SUBSTITUTION

$$4x - y = 18$$

$$12x - 3y = 54$$

Attachments

Syllabus - Math I A.doc