Today's Learning Goal(s):

By the end of the class, I will be able to:

a) Solve a linear system using the method of elimination and check the answer.

MPM 2DI **1.4 Solve by Elimination** (Day 1)

Date: 5-07.13/16

Concept

Add the columns

a)
$$2x$$
 $3x$

c)
$$-4x$$

$$\frac{4x}{0}$$

e)
$$7x$$

$$-7x$$

f)
$$-6x$$

$$-6x$$

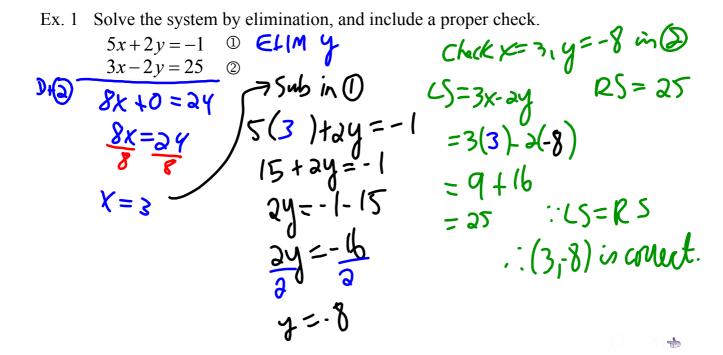
$$-(2x)$$

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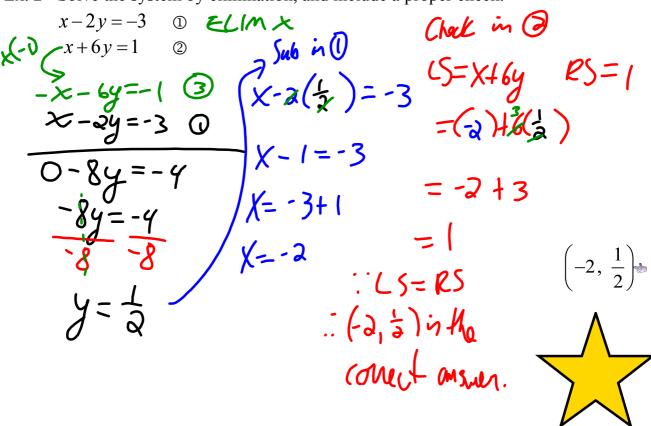
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The Method of Elimination

- 1) Choose to eliminate "x" or "y" based on "opposites".
- 2) If an opposite does not exist you must create one by multiplying the whole equation by the correct number.
- 3) **ADD** each "column" of the two equations together.
- 4) Solve the new equation.
- 5) Substitute your first answer (variable) into the **original** equation ①.
- 6) Check your answers (both variables) in the **original** equation ②.



Ex. 2 Solve the system by elimination, and include a proper check.



Ex. 3 Solve the system by elimination, and include a proper check.

Today's eliminaon pracce:

p. 40 #1bd*, 2a, 4a (only show a check only for 1d) p.448 #3c

(Optional Elimination Challenge) p. 448 #3d