Friday, January 25, 2019

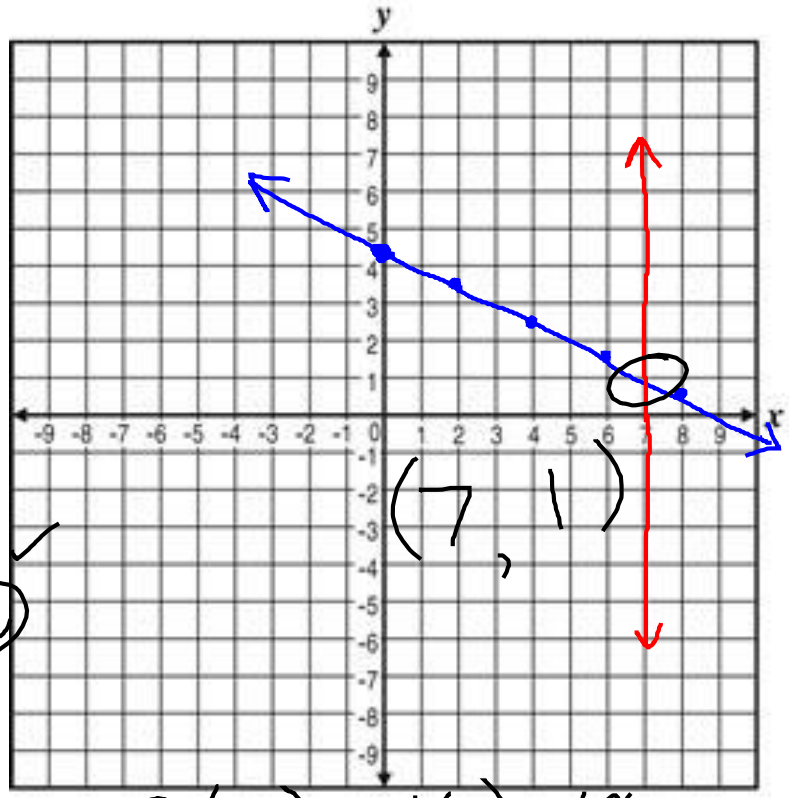
- Warm-up
  - Solve the following system graphically:

$$\begin{cases} 2x + 4y = 18 \\ x + 2 = 9 \end{cases}$$

$x + 2 = 9$
$-2 \quad -2$
$x = 7$

$x + 2 = 9 \rightarrow 7 + 2 = 9$
$9 = 9$ ✓ ☺

$2x + 4y = 18$
$-2x \quad -2x$
$\frac{4y}{4} = \frac{-2x}{4} + \frac{18}{4} \rightarrow y = -\frac{1}{2}x + 4.5$



$2(7) + 4(1) = 18$
$14 + 4 = 18$
$18 = 18$ ✓ ☺

- Solving Systems of Linear Equations
  A Tale of Two Truckers
  Lesson 10-2: Using Tables and the Substitution Method

Objectives:

Content: I will solve and interpret the solution to a system of linear equations by substitution.
Social: I will listen well and participate in the lesson.
Language: I will write my answers clearly using good vocabulary to explain my reasoning.