## Friday, February 1, 2019

- Warm-up
- Solve the given system using 3 methods

$$
\left\{\begin{array}{l}
3 x+5 y=30 \\
2 x+2 y=16
\end{array}\right.
$$

- graphing
- substitution
- elimination
- Activity 10 Practice pages 193-194 (only numbers 1-14)
only 1-14


## Objectives

Content: I will solve quadratics using various methods.
Social: I will participate with my group and use my time wisely.

Language: I will ask clear questions if I do not understand.

$$
-2 x \quad-2 x
$$

$$
\frac{2 y}{2}=-\frac{2 x}{2}+\frac{16}{2} \rightarrow y=-x+8
$$

$$
\left\{\begin{array}{ll}
3 x+5 y=30 \rightarrow y=-\frac{3}{5} x+6, & y=y \\
2 x+2 y=16 \rightarrow y=-x+8 & -\frac{3}{5} x+6 \\
+1 x-6 & -1 x+8 \\
+1 x-6
\end{array}\right] \begin{array}{ll}
y=-(5)+8-\frac{3}{5}+\frac{5}{5} & \frac{5}{2} \cdot \frac{2}{5} x=\frac{2}{1} \frac{5}{2} \\
y=3 & x=5
\end{array}
$$

$$
\begin{aligned}
& \left\{\begin{array}{l}
3 x+5 y=30) 2 \\
(2 x+2 y=16-5
\end{array} 3(5)+5 y=30\right. \text { (1) Which variable? } \\
& \left\{\begin{array}{l}
(2 x+2 y=16)-5 \\
15+5 y=30
\end{array}\right. \\
& 6 x+10 y=60 \quad-15 \quad 15 \text { (2) How? } \\
& +\frac{-10 x-10 y}{-4}=-80 \quad \frac{5 y}{5}=\frac{15}{5} \\
& \frac{-4 x}{-4}=\frac{-20}{-4} \\
& x=5
\end{aligned}
$$

