## Monday, April 1, 2019

Warm-up:

- Sketch the graph the following 2 equations on the same coordinate plane.

$$
\begin{aligned}
& y=\frac{1}{3} x-3 \\
& 5 x+3 y=15
\end{aligned}
$$

Practice Graphing

## Objectives

Content: I will estimate the solution to systems using graphing.
Social: I will work listen respectfully when in the library.

Language: I will discuss the process of solving a system of equations by graphing with my classmates and/or teacher using correct vocabulary such as intercepts, coordinates, ordered pair and solution.

Warm-up

$$
\begin{gathered}
y=m x+b \\
y=\frac{1}{3} x-3 \\
y \cdot(0,-3) \\
\text { slope } \rightarrow \frac{1}{3} \\
5 x+3 y=15 \\
5 x \text { rise } \\
3 x=-5 x \\
\frac{3 y}{3}=\frac{5 x}{3}+\frac{15}{3} \\
y=-\frac{5}{3} x+5
\end{gathered}
$$





Solving by graphing
(1) Graph lines
(2) Find intersecting point $O$

Brain Break


## Questions About Systems

## Solving Systems by graphing



