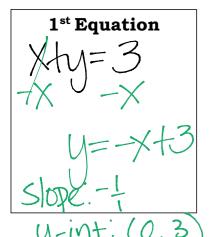
The Frosty Ice-Cream Shop sells sundaes for \$2 and banana splits for \$3. On a hot summer day, the shop sold 8 more sundaes than banana splits and made \$156.

X=Sundaes  

$$y = banana split$$
  
 $2x + 3y = 156$   
 $2x + 3(x+8) = 156$   
 $2x + 3x + 24 = 156$   
 $34.4 = 0$   
 $5x + 24 = 156$   
 $5x + 26 = 132$   
 $5x + 26 = 132$ 

How do you solve a system of equations by graphing?





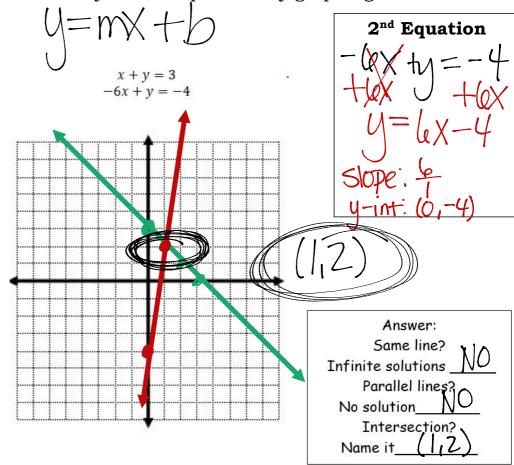
Slope:

y- intercept:

## **Equation 2**

Slope:

y- intercept:



Solve the following systems graphically.

