

Name: \_\_\_\_\_ Period: \_\_\_\_\_

Consider to two job descriptions below:

**Sales Position**  
Salesperson Wanted  
Knowledge of Cellular Phones  
On-Site Sales  
\$150/week + 20% commission

**CAREER OPPORTUNITY**  
Sell stereo equipment in  
National Electronics Retail Chain!  
\$200/week + 10% commission

- 1) Based on one week only, write the two equations that model the amount of pay ( $p$ ) earned from the various sales ( $s$ ).

- 2) Make a table of values for each different job based upon the amount of sales for one week

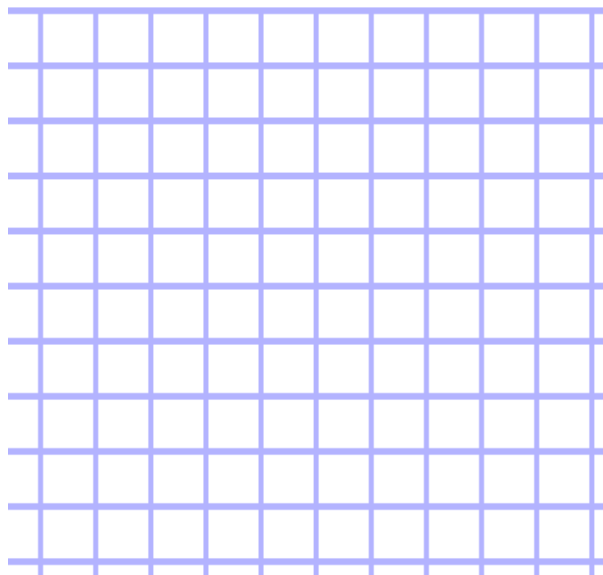
**Pay earned from Cell Phone Sales**

$s$	$p$
100	
300	
900	

**Pay earned form Stereo Equipment sales**

$s$	$p$

- 3) Graph the two equations on the same grid below



4) Rewrite the two equations:

Solve the system by **SUBSTITUTION**

5) Rewrite the two equations:

Solve the system by **ELIMINATION**

6) Which job is better? Why? When are the two jobs the same? How much money to you make at that point? If you are a good salesperson, which would you rather have?