

Name \_\_\_\_\_ Math HW # 13  
Date Issued \_\_\_\_\_ Due Date \_\_\_\_\_

Solve each of the problems below WITHOUT a calculator. Show your work!!

Complete the following x y charts and find if there is a K(  $K = y/x$  )  
( you make up the numbers for x )

1.  $Y = 6x$

x				
y				

2  $y = 3x + 2$

x				
y				

Which is the better buy?

10 sodas for 3.50 or 8 sodas for 3.00    6 pens for 4.40 or 8 pens for 5.00

Define and provide an example of the following terms.

Constant of Proportionality-

Coordinate plane

PSSA Question- Underline important info and show your work.

A snack bar estimates that it will need 5 sodas for every 9 people that come to a game. If they sold 450 tickets to the game. How many sodas should they buy for the game?

On the back:

Create a WORD problem that uses a proportion to solve