## Created by Kimia Eghbali (The time at night when people make a wish) A group of friends went to the fair. They each paid the \$8.00 admissions fee to get in. They then each bought a snow cone – each snow cone costs \$3.00. They also spent \$40 on rides altogether. In all, the friends spent \$106.

- Write an equation to represent this situation, where "f" represents the number of friends. Then point an arrow to each number and variable in your equation and label it with what it represents.
- Find your group's equation from PART A of the performance task from yesterday. Copy it onto your warmup page. (Just the original equation, not the solution.)



	p.162 (1 – 4)					
1	Types of Skateboards					
000	Skateboard	Main Purpose	Length (in.)	Width (in.)	100	
1	Standard shortboard	skating ramps, parks	x	у	N/R	
	Technical shortboard	technical, trick skating	x - 0.4	y — 0.5		
	Longboard	skating downhill, long rides	x + 14.7	y + 1		
1.	The total width and a technical Write an equation	he total width of two standard shortboards nd a technical shortboard is 23.5 inches. /rite an equation to represent the situation.				The total length of two longboards and a standard shortboard is 113.4 inches. Write and solve an equation to find the length of a longboard.
2	Solve the equa the width of a s	olve the equation from Exercise 1 to find te width of a standard shortboard.			4.	The total width of three technical shortboards is 4.5 inches more than the total width of two longboards. Write and solve an equation to find the width of a longboard.

## First Half of Class – Make a Poster <u>REQUIREMENTS OF THE POSTER</u> • Tape/glue the part A scenario to the poster • Write your equation (IN LARGE WRITING ACROSS THE WHOLE <u>PAGEIII)</u> • Point an arrow to each number/variable in the equation and label it with what it represents in the scenario • Solve the equation and say what your solution represents • MATH FIRST, MAKE IT PRETTY LATER!!! • One way to have everyone contributing to the poster at the

same time is to have different people working on different parts of the poster and then tape/glue them on at the end! (However, if you split up the work, you still need to collaborate on everything!)

New Unit: Systems of Equations

## 1 am going to show you an equation with TWO VARIABLES in it. (x and y). You will need to find as many solutions as you can. This will be an (x, y) pair that works in the equation. FOR EXAMPLE, IF YOUR EQUATION WAS Y = 3x, you could use (2, 6), because if x = 2, then y = 6. MAKE A LIST of your solutions on a blank piece of paper. The person with the most in one minute wins. You must write each solution as an ordered pair.











Which (x, y) works for BOTH? x + y = 9 x - y = 1

Which 
$$(x, y)$$
 works for BOTH?  
 $x - y = 7$   
 $xy = 30$ 



Which (x, y) works for BOTH?  

$$x + y = 13$$
  
 $x - y = -3$ 

Which (x, y) works for BOTH?  

$$y = -\frac{1}{3}x + 4$$

$$y = \frac{3}{2}x - 7$$



