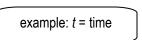
6.1 Warm Up

1. Choose a variable to represent each unknown. –



a) distance to stop _____

b) row number _____

c) cost of a ticket _____

- d) age of a person _____
- 2. Rewrite each statement as an algebraic equation.
 - a) the cost of a monthly bus pass is 20 times the price of a day ticket
- the distance to stop is half the speed of b) the boat

 $c = \cos t$ of a pass; $t = \operatorname{price} of a \operatorname{ticket}$

c	=	t
-		

Ask yourself,
"Do I add, subtract,
multiply, or divide?"

3. For each chart, describe a pattern to go from the input to the output. Then, write an equation for each.

b)

a)	Input, x	Output, y	
	3	30	
	1	10	
	4	40	
	8	80	

Input, x	Output, y	
1	7	
3	9	
5	11	
6	12	

Pattern:

multiply *x* by _____

Equation:

auem.		

Equation:

Solve.

a)
$$4p + 3 = 19$$
 $4p + 3 - \underline{\hspace{1cm}} = 19 - \underline{\hspace{1cm}}$

$$4p =$$

b)
$$-6a - 43 = -25$$