	Algebra 1 6th hour Belly For 1 to 4, write a function rule for each 1. The total hours spent cutting lawns is and 30 minutes to cut.	situation. Define your va	ariables.		
	EQ:	Variables:	Variables:		
2. A rental car costs \$18.50 for the day plus 25 cents per mile for every mile over 150 miles.					
	EQ:	Variables:			
3. The amount of Yolanda's paycheck is a function of how much merchandise she sells. She receives 6% commission on all sales.					
	EQ:	Variables:			
	4. The number of stamps Juan has is a function of the number of stamps Ali has. Juan has three more stamps than Ali does.				
	EQ:	Variables:			
<ul><li>5. A towing company charges \$75 to come to where your car is broken down and 85 cents per mile to tow your car.</li><li>a) How much will you have to pay if you need to have them tow your car 15 miles to your favorite repair shop?</li></ul>					
ŀ	b) How far did they tow your car if the total bill was \$109?				
e	6. You sold 24 necklaces at the craft fair	for \$190.80.			
e	) How many necklaces did you sell if you made \$143.10?				
b	o) How much would you make if you solo	d 13 necklaces?			

Friday, December 18, 2015 ANSWERS Bellwork Algebra 1 6th hour For 1 to 4, write a function rule for each situation. Define your variables.

1. The total hours spent cutting lawns is a function of the number of lawns you cut. Each lawn takes 1hr and 30 minutes to cut.

2. A rental car costs \$18.50 for the day plus 25 cents per mile for every mile over 150 miles.

EQ: 
$$T = 18.50 + .25 \text{ m}$$

3. The amount of Yolanda's paycheck is a function of how much merchandise she sells. She receives 6% commission on all sales.

4. The number of stamps Juan has is a function of the number of stamps Ali has. Juan has three more stamps than Ali does.

EQ: 
$$T = A + 3$$

5. A towing company charges \$75 to come to where your car is broken down and 85 cents per mile to tow

a) How much will you have to pay if you need to have them tow your car 15 miles to your favorite repair shop?

b) How far did they tow your car if the total bill was \$109?

$$[m=40\,\text{mi}] 109 = 75 + .85m \rightarrow \frac{34 = .85m}{.85}$$

6. You sold 24 necklaces at the craft fair for \$190.80.

6. You sold 24 necklaces at the craft fair for \$190.60.

$$EQ'$$

$$A = 7.95 N$$

$$N = \# \text{ necklaces Sold } \text{ made}$$

$$A = A \text{ mount } \# \text{ made}$$
a) How many necklaces did you sell if you made \$143.10?

$$\frac{143.10}{7.95} = \frac{7.95 \text{ N}}{7.95} \rightarrow 18 \text{ necklaces}$$

b) How much would you make if you sold 13 necklaces?

$$A = 7.95(13) = 4 103.35$$