Corrective Assignment

DATE:____

Determine if the tables are proportional. If they are, write an equation.

1.

x	0	2	12	10
y	0	5	30	25

2

x	0	4	12	16
y	0	3	9	14

Is the relationship proportional?

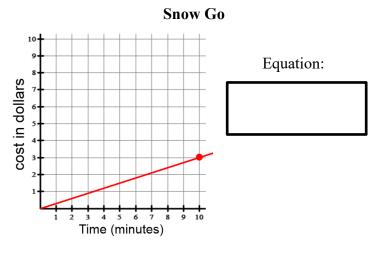
Is the relationship proportional?

If so, write the equation:

If so, write the equation:

The following are proportional. Compare the relationships and answer the questions.

3. The companies below offer snow removal services. Which company is cheaper?



Blizzard

Charges 5 dollars every 15 minutes.

Equation:

a. How much will it cost for each company to work for 30 minutes? Use the equations.

Snow Go:

Blizzard:

b. How long would each company work for 60 dollars? Use the equations.

Snow Go:

Blizzard:

c. Which company is cheaper? Justify your answer.

The following are proportional. Compare the relationships and answer the questions.

4. Below are two competing Gas Stations. Which company sells gas for less?

Phil R Up

Gas (gallons)	Cost (\$)
2	5
4	10
6	15
8	20

Equation:	

Top Off

$$c = 2.25g$$

Where c is the cost and g is # of gallons

a. How much would 12 gallons of gas cost at each station? Use the equations.

Phil R Up:

Top Off:

b. How much gas you could you get for \$40 at each station? Use the equations.

Phil R Up:

Top Off:

c. Which company is cheaper? Justify your answer.

ANSWERS TO 8.4 CORRECTIVE ASSIGNMENT				
1. Y	1. YES, $y = \frac{5}{2}x$ or $y = 2.5x$		2. NO	
3. a	200 minutesSnow Go is cheaper	Blizzard $y = \frac{1}{3}x$ \$10 180 minutes w Go charges 30 cents per	4. Phil R Up $y = \frac{5}{2}x$ a. \$30 b. 16 gallons c. Top Off is cheaper. $k = 2.5 \text{ means Phil gallon.}$	Top Off $y = 2.25x$ $$27$ $17. \overline{7} \text{ gallons}$ R Up charges \$2.50 per
	$k = 0.\overline{3}$ means Blizzard charges 33. $\overline{3}$ cents per minute.		k = 2.25 means Top Off charges \$2.25 per gallon.	