Name: \_\_\_\_\_

Points: \_\_\_\_\_

A ratio is a \_\_\_\_\_

1. Express each ratio in simplest form.

a) 1.2 to 2.4

١.

b)  $1\frac{1}{8} to \frac{3}{8}$ 

c) 36cm to 72cm

- d) 3 in. to  $\frac{1}{2}$  in.
- e) 1hr to 15mins
- f) 7dollars to 50 cents

2. Last week, Sarah answered 24 out of 30 questions correctly on her math test. This week she answered 20 out of 24 questions correctly. On which test do you think Sarah have better results? Explain.

II.

2. Solve each proportion.

- a)  $\frac{x}{60} = \frac{3}{20}$  b)  $\frac{5}{4} = \frac{x}{12}$  c)  $\frac{x}{12-x} = \frac{10}{30}$  d) 5: x + 2 = 4: x

## [MODULE 2: RATIO, PROPORTIONS AND VARIATIONS]

III.	Answer the	following	problems in	n the s	pace	provided
	/ III S VV CI CIIC	TO TO WITTE	problems n		pacc	provided

a) If x varies directly as y, and x=12 when y=72, find the constant of variation by comparing x to y.

b) If 3 pounds of apples cost \$2.75, what is the cost of 15 pounds of apples at the same rate?

c) The owner of a house that is assessed for \$12,000 pays \$960 in realty taxes. At the same rate, what should be the realty tax on a house assessed for \$16,500?