Name :_____   Date: _____

Section 1.3 Homework

Pages 18-20

Set A

Translate the verbal phrases into expressions. Underline key words/phrases.

Use your notes from class to help with the key words/phrases.

4) The product of 6 and a number y.   6) 50 divided by a number h.

8) The sum of 15 and a number x.   10) 3 less than the square of a number p.

12) 5 more than 4 times a number w.

Set B

Write an expression for the situation.

15) Number of tokens needed for v video games if each game takes 4 tokens.

18) Amount you spend if you buy a shirt for $20 and jeans for j dollars.

19) Number of days left in the week if d days have passed so far.

Set C

Find the unit rate. You may use a calculator for #'s 22-29.

22) $\dfrac{32\ students}{4\ groups} = \dfrac{?}{1}$

23) $\dfrac{4.5\ pints}{3\ servings} = \dfrac{?}{1}$

24) $\dfrac{12\ runs}{5\ innings} = \dfrac{?}{1}$

25) $\dfrac{\$136}{20\ shares} = \dfrac{?}{1}$

Which rate is greater?

29) $1.60 for 5 minutes   or $19.50 for 1 hour?

a) Find the unit rate for each. Hint: change hours to minutes first.

$1.60 for 5 minutes $19.50 for 1 hour

b) Which is greater?

WP

Solve Each. Show all of your work.

31) Tickets to a science museum cost $19.95 each. There is a $3 charge for each order no matter how many tickets are ordered.

a) Describe how you would find the total cost if you and some friends were going to the museum. _____

_____

_____

What is unknown? _____

Use a variable for the unknown value and write an expression for the total cost. _____

b) Find the total cost if you order 5 tickets.

Use a calculator for #33.

33)   Container A: 48 ounces of juice costs $2.64.

Container B: 64 ounces of the same juice costs $3.84

a) Find the unit rate (cost per ounce) of each container.

Container A: Container B:

b) Which size container costs less per ounce?

c) You want to buy 192 ounces of juice. How much do you save using the container size from your answer to part b?

Cost for 192 ounces of container A?

Cost for 192 ounces of container B?

Total savings by buying the cheaper container?