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Assignment 1-5

Sec 1 H

Word Problems

Unit 1

Do the following four things for each problem:

- a. Define a variable and write an equation.*
- b. Solve the equation.*
- c. Answer the question in a complete sentence.*
- d. Does your answer make sense? Why?*

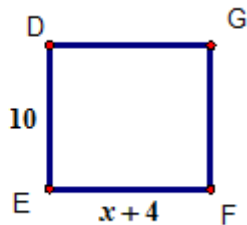
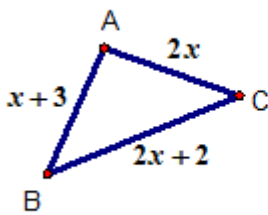
1) Kati works at three different jobs. The first job pays twice as much as the second job, and the third job pays \$4.00 per hour more than the second. If she worked one hour at each job, she would make \$28 total. How much does each job pay per hour?

2) Anne read her book in six days. On Monday, Wednesday, and Friday she read the same amount of pages each day. On Tuesday she read 4 times as many pages as on Friday. On Thursday she read 3 times as many pages as on Monday. On Saturday she read 50 more pages to finish the book. If her book had a total of 670 pages, how many pages did she read each da

- 3) Samantha and Kate spent the same amount of money at the store. Each of them bought some sweaters for the same price and one additional item. Samantha bought a shirt for \$12.50 and 3 sweaters. Kate bought some shoes for \$40.00 and 2 sweaters. How much does a sweater cost? How much did each person spend?

- 4) Clark and Lois went to the hamburger stand. Lois ordered a hamburger for \$3 and an order of fries. Clark ordered twice as much food as Lois. The total price for both of their food was \$15. What is the cost of one order of fries?

- 5) Find the value of x if the perimeter of triangle ABC is equal to the perimeter of rectangle DEFG.



- 6) Find the value of x if the area of rectangle HIJK is equal to the area of rectangle LMNO.

