

START EACH SECTION ON A NEW SHEET OF PAPER.. HOMEWORK DUE AT TEST 2.

Sec 2.1 Read Section 2.1 and answer these questions:

1. State the "Addition Principle" for an equation?
2. State the "Multiplication Principle" for an equation?

DO THESE PROBLEMS: Sec 2.1: 11-33, odd; 35-53, odd; 59-75, odd.

Sec 2.2 Read Section 2.2 and answer these questions:

1. What is an important strategy for solving new problems?
2. What principle is used to clear fractions (actually, clear the denominator)?

DO THESE PROBLEMS: Sec 2.2: 7-15, odd; 27,28, 61-67, odd; 69-75, odd, 79-85, odd.

Sec 2.3 Read section 2.3 and answer the following questions:

1. What is the meaning (or definition) of the mathematical word "Formula"?
2. In example 4, page 95, the text shows how to solve for y. Using this procedure, show how you would solve for x.
3. In Example 5, page 95, the text shows the steps needed to solve for w. Show how you would solve for h.

DO THESE PROBLEMS: Sec 2.3: 7, 8, 12,13, 16, 17, 25, 31, 32,43, 44, 49

Sec 2.4 Read section 2.4 and answer the following questions:

1. There are five KEY words in Percent Translations. List these words and give their meaning:

DO THESE PROBLEMS: Sec 2.4: 11, 12, 19, 23, 43, 45, 47, 49, 51, 53, 59, 69, 70,71, 81 , 82

Sec 2.5 Word problems Read section 2.5 and answer the following questions

1. List the five steps for problem solving.
2. On page 110, in the box labeled "To become Familiar with a problem", what do steps 3, 7 and 8 state?

DO THESE PROBLEMS: Sec 2.5: 5, 7, 9, 10, 11, 14, 15, 23 (Look at a book to see how pages are numbered), 29, 30, 32, 35

Sec 2.6 Inequalities

1. When plotting inequalities on a number line, endpoints that are *not* solutions are indicated by what kind of dot. (open or closed)
2. When multiplying or dividing both sides of an inequality equation by a negative number, what happens to the inequality symbol?

DO THESE PROBLEMS: Sec 2.6: 9, 12, 17, 23, 35, 45, 47, 57, 64, 73, 75, 79

Sec 2.7 Solving Applications with Inequalities

1. Study the table on page 131 then write equations for the following statements.
 - a. The string must be *at least* 30 inches long.
 - b. The price is *less than* \$11.95.
 - c. The piano weighs, *at most*, 300 lbs.

DO THESE PROBLEMS: Sec 2.7: 23, 25, 27, 29, 31, 33, 37, 42, 43, 49