

MAT 0002 Test #3 Fall 2000
BE SURE TO CIRCLE YOUR ANSWERS!!!

Name _____

- 1) Convert 0.36 to a fraction. Simplify 2) Convert $\frac{502}{10,000}$ to a decimal
3) Convert $\frac{3}{8}$ to a decimal 4) Convert $\frac{5}{9}$ to a decimal

Arrange the following decimals from Smallest to Largest

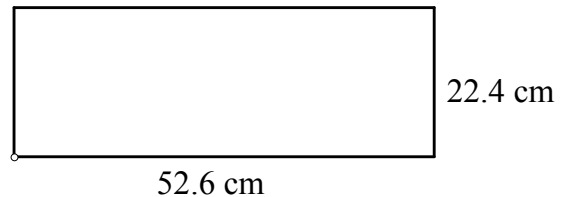
- 5) 0.57 , 0.057 , 0.575 , 0.5 6) 0.043 , 0.403 , 0.04 , 0.43
7) Round 5.6788 to the nearest thousandth 8) Round 23.4049 to the nearest hundredth
9) Round \$0.358 to the nearest cent 10) Round $52.\bar{6}$ to three decimal places

Perform the Indicated Operations

- 11) $3.475 + 2.4 + 5.702$ 12) $8.001 - 5.28$
13) $6 - 2.723$ 14) 0.02×0.06
15) 0.005×0.034 16) $12.88 \div 0.23$
17) $56.78 \div 1000$ 18) $2.74 \div 3.4$
19) $(0.3)^2 + 0.15$

Formulas: $A = L \times W$ $A = \frac{1}{2} \times b \times h$ $C = \pi d$ $A = \pi r^2$ Use $\pi = 3.14$

- 20) Find the PERIMETER of the rectangle to the right



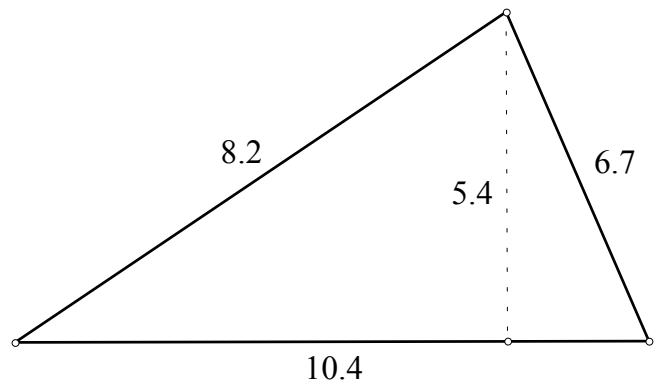
- 21) Find the AREA of the rectangle to the right

Suppose that you order an Extra-Extra Large 20 inch pizza.

- 22) Find the CIRCUMFERENCE of the pizza

- 23) Find the AREA of the pizza

- 24) Find the PERIMETER of the triangle to the right
All units are in feet.



- 25) Find the AREA of the triangle to the right
All units are in feet.

- 26) David makes \$12.50 per hour. He gets time-and-a-half for overtime (hours over 40 hours per week). If he works 52 hours in a week, find his gross pay.
- 27) Joe paid \$1.00 for a 12 ounce can of Coke out of the vending machine. Find the cost per ounce.
- 28) Bill's truck can travel 487 miles on a tank of gasoline. If the tank holds 22 gals. of gasoline, how many miles per gallon does it average? (round to the nearest tenth of a mpg).
- 29) Find the UNIT RATE of 48 phone lines per 15 telemarketers.
- 30) Find the UNIT RATE of 500 calories per 8 oz serving.
- 31) If 2 pounds of fish will feed 5 people, how many pounds of fish are needed to serve 16 people?
- 32) On a map, 1 inch represents 20 miles. How many miles would $3\frac{1}{2}$ inches represent?
- 33) Solve the proportion: $\frac{3}{7} = \frac{N}{12}$
- 34) Solve the proportion: $\frac{1\frac{1}{2}}{2\frac{3}{4}} = \frac{5}{N}$