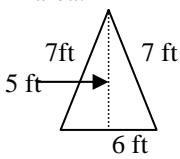
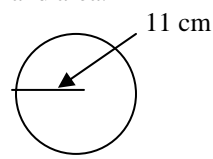


Math 94**Homework #1****Basic Math Review****Show your work on this paper to receive credit.**

1.) Simplify: $3^2 + 3(5 \cdot 4 \div 2 \cdot 5)$	2.) Simplify: $14 + 3 \cdot 2(9 - 4)^2$	3.) Round: 5,398,274 a.) To the hundreds b.) To the ten-thousands	4.) Give the prime factorization of 210 in exponential notation..
5.) Add: $1\frac{2}{5} + 3\frac{1}{2}$	6.) Subtract: $6\frac{1}{3} - 2\frac{3}{4}$	7.) Multiply: $5 \cdot \frac{4}{9} \cdot 2\frac{1}{2}$	8.) Divide: $\frac{4}{5} \div 7$
9.) Simplify: $\frac{1}{3} + \left(\frac{1}{2}\right)^2 \cdot \frac{3}{5}$	10.) Simplify: $\frac{2}{3} \div \left(\frac{1}{9} + \frac{1}{5}\right)$	11.) Subtract: $18 - 12.735$	12.) Multiply: $(2.65)(7.3)$
13.) Divide; Round to the hundredths: $\frac{19.75}{5.3}$	14.) Simplify: $27 - (3.1 + .8)^2 \div .6$	15.) Arrange from greatest to smallest: $.5 \quad \frac{2}{3} \quad .49 \quad \frac{3}{5} \quad .61$	16.) Convert to a fraction: 4.72

<p>17.) Convert to a decimal:</p> $\frac{11}{13}$	<p>18.) Convert to a percentage:</p> 0.79	<p>19.) Convert to a percentage:</p> $\frac{3}{8}$	<p>20.) Convert to a decimal:</p> 25.2%
<p>21.) Convert to a fraction:</p> 11.4%	<p>22.) Is this a true proportion?</p> $\frac{1}{3} = \frac{0.4}{5}$	<p>23.) What percent of 18 is 45?</p>	<p>24.) 20% of what number is 18.5?</p>
<p>25.) Solve for x:</p> $\frac{x}{125} = \frac{12}{33}$	<p>26.) Solve for x:</p> $\frac{14}{25} = \frac{x}{18}$	<p>27.) If a 5 foot woman casts a 7 foot. shadow, how long would the shadow of a 25 foot. tree be?</p>	<p>28.) What was the original price of a jacket that costs \$76 after being discounted by 25%?</p>
<p>29.) What is the mean of the following set of numbers: 27, 39, 21, 47, & 40?</p>	<p>30.) Give the perimeter and area:</p> 	<p>31.) Give the circumference and area.</p> 	<p>32.) Give the perimeter and area.</p> 