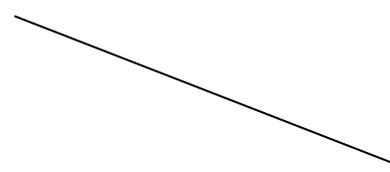


Pre Algebra
Unit 3 Test Review

Name: _____
Hour: _____ Date: _____

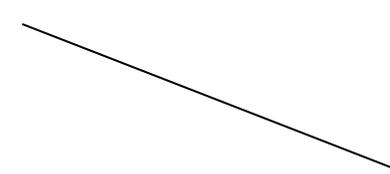
In 1 and 2, measure the following segment to the nearest 16^{th} of an inch.

1) _____

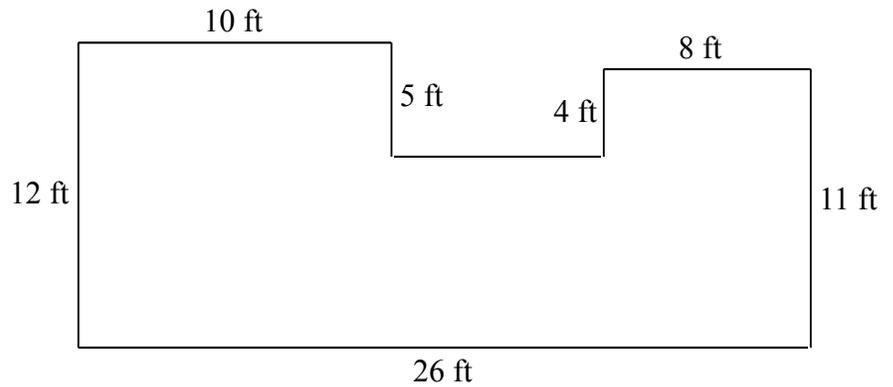
2) 

In 3 and 4, measure the following segments to the nearest 10^{th} of a centimeter.

3) _____

4) 

5) Find the area of the following shape. Show work and label answer.



6) Find the mean, median, and range for the following set of data. Show work.

7; 0; 2; 4; 8; 8; 6; 5

mean

median

range

7) Find the mean, median, and range for the following set of data. Show work.

0.2; 0.7; 0.1; 0; 0.3; 0.4; 0.1

mean

median

range

In 8 – 10, use unit conversion ratios to do the following conversions. Show work.

8) 12 T to oz

9) 4 mi to ft

10) 128 fl oz to pt

In 11 – 13, convert the following using the metric conversion chart on page 15 in your book.

11) 7 m to km

12) 8 hg to mg

13) 0.217 km to cm

In 14 – 16, simplify the following using order of operations. Show work.

14) $7 + 2(5 - 8)$

15) $-4 + 3 + 2(-1 - 5)$

16) $\frac{2(2)(3)}{10}$

In 17 – 19, convert the following Fahrenheit temperatures to Celsius using the thermometer on page 25 in your booklet.

17) 70°F

18) -20°F

19) 240°F

In 20 – 22, convert the following Celsius temperatures to Fahrenheit using the thermometer on page 25 in your booklet.

20) 100°C

21) 82°C

22) -40°C

In 23 – 25, use the chart on page 9 in your booklet to convert the following to feet as a decimal.

23) $\frac{7}{8}$ "

24) $3\frac{3}{8}$ "

25) 8' 4"

26) How far can Kyle go if his car gets 23 miles to the gallon and he has 12 gallons? Show work and label answer.

27) Krista received a 92% on the test. If the test had a total of 150 questions then how many questions did she get wrong? Show work and label answer.

28) Write 4.72 as a simplified mixed number.

29) If Ryan's Yugo stock went up $2\frac{3}{4}$ points, then up $1\frac{1}{4}$ points, and then down 3 points, what is the net result in the price of Ryan's stock? Show work.

30) If Joe drives on the expressway for 200 miles and his car gets 35 miles per gallon, then how much did it cost Joe in gasoline for the trip if gasoline costs \$1.54 per gallon? Show work and label answer.