1.2 Linear Measure and Precision
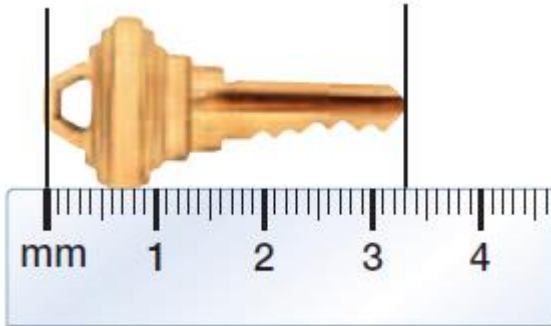
Name _____
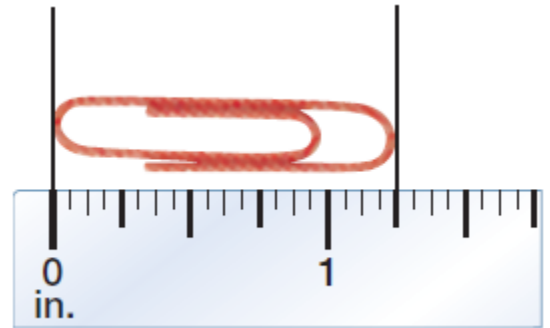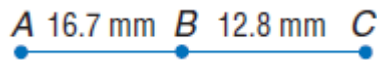
Find the length.

1)

2)

Find the precision for each measurement. Explain its meaning.

3) 80 cm

4) $7\frac{1}{2}$ in.
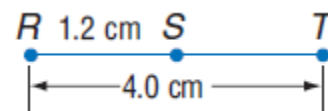
Find the measurement of each segment.

5) AC   A 16.7 mm B 12.8 mm C

6) ST   R 1.2 cm S   T
                    $\leftarrow$——4.0 cm ——$\rightarrow$

7) Find the value of x and the length ST if S is between R and T. (draw a pic)

RS = 7x   ST = 12x   RT = 76

The perimeter of a geometric figure is the sum of the lengths of its sides. Mark used a ruler divided into whole centimeters to measure the sides of a triangle at 3 cm, 5 cm, and 6 cm. Use your knowledge of precision here.

8) What is the least possible perimeter of the triangle?

9) What is the greatest possible perimeter of the triangle?