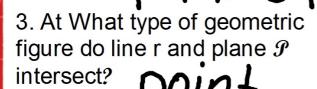
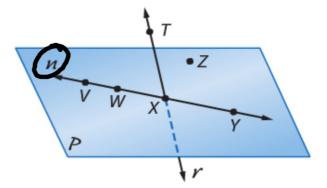
Bell Ringer #3:

1. Name a line that contains point X.

2. Name a Plane that contains point Z.





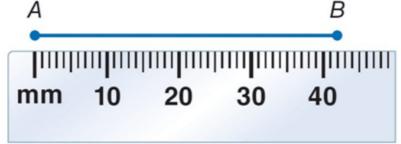
????Homework Questions????

Unlike a line, a **line segment**, or **segment**, can be measured because it has two endpoints. A segment with endpoints A and B can be named as AB or BA. The **measure** of AB is written as AB.

EXAMPLE 1

Length in Metric Units

A. Find the length of \overline{AB} using the ruler.



42 mm 42.0mm

EXAMPLE 1

Length in Metric Units

B. Find the length of \overline{AB} using the ruler.



4.5 cm

EXAMPLE 2

Length in Standard Units

A. Find the length of \overline{DE} .

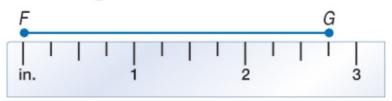


3 in

EXAMPLE 2

Length in Standard Units

B. Find the length of \overline{FG} .

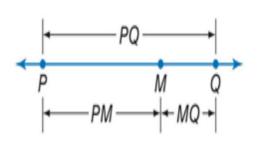




Words

Point M is between points P and Q if and only if P, Q, and M are collinear and PM + MQ = PQ.

Model



EXAMPLE 3

Find Measurements by Adding

4 in.

2 in. *Z*

Find XZ. Assume that the figure is not drawn to scale.

EXAMPLE 4

Find Measurements by Subtracting

Find *LM*. Assume that the figure is not drawn to scale.

$$LM + 2.6 = 4$$

$$-2.6 - 2.6$$

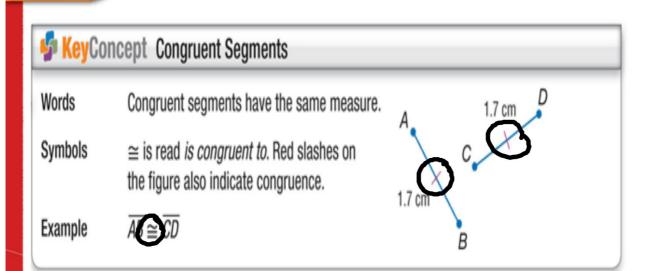
$$LM = 4 - 2.6$$

$$= 1.4 \text{ cm}$$

EXAMPLE 5 Write and Solve Equations to Find Measureme

Find the value of and ST if T is between S and U, ST = 7x, SU = 45, and TU = 5x - 3.

$$7x + 5x - 3 = 45$$
 $12x - 3 = 45$
 $13x - 3 = 45$
 $13x - 3 = 45$
 $12x = 48$
 $12x = 48$
 $12x = 48$



You can either work on your own or with 1 to 2 other people near you.

Complete Skills Practice 1-2,y problems # 1-12 all.
$$\frac{5x-25}{25}$$
 $5x=25$ $x=\frac{25}{5}=5$

You will have 10 minutes to complete.

Assignment

Practice 1-2, problems # 1-11 all.

