

Warm Up

1.) The sum of two numbers is 90 and one number is 4 times the other. Write an equation and solve to find the numbers.

2.) May is older than Ramona, but younger than Richard. May is older than Ryan, who is older than Ramona. Who is the oldest?

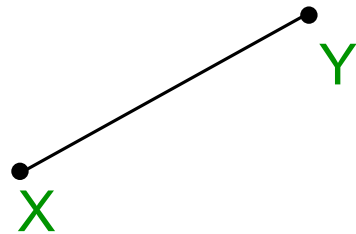
3.) A right triangle has legs of 9 in. and 12 in. Find the length of the hypotenuse.

1-6: Basic Constructions

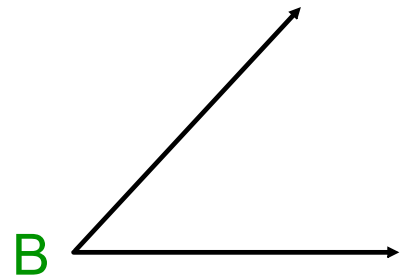
Obj - SWBAT make basic constructions using a straight edge and a compass.

Vocabulary

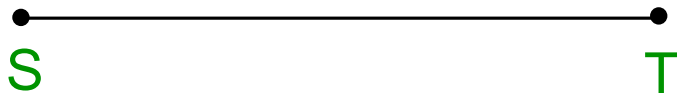
Ex. 1: Use a straightedge to draw \overline{XY} . Then construct \overline{RS} so that $RS = 2XY$.



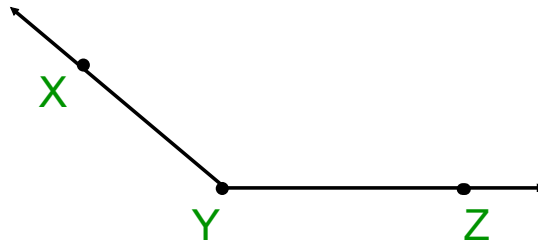
Ex. 2: Construct $\angle F$ so that $m\angle F = 2m\angle B$.



Ex. 3: Construct the perpendicular bisector of \overline{ST} .



Ex. 4: Draw obtuse $\angle XYZ$. Then construct its bisector \overline{YP} .



Classwork:

Complete the given
construction problems
your partner.

Must be completed by
the end of the period.

****Counts as a
homework grade****