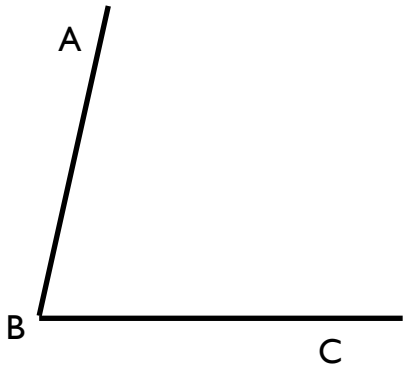
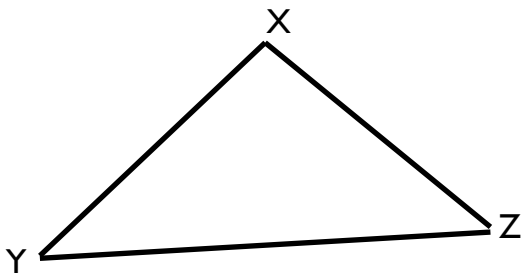


10.2C WORKSHEET

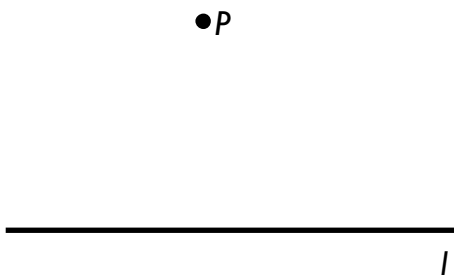
1) Construct an angle congruent to $\angle ABC$



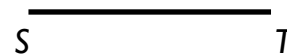
2) Construct a triangle congruent to $\triangle XYZ$



3) Construct a line through P parallel to l .



4) Construct line j so that every point on j is equidistant from S and T .



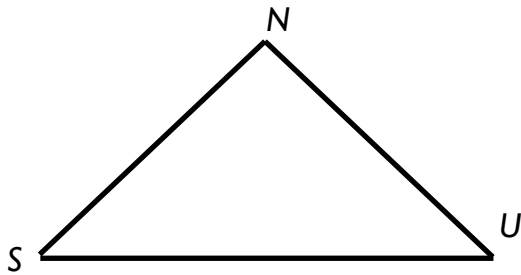
5) Construct a 22.5° angle.

6) Construct a line through F perpendicular to k .

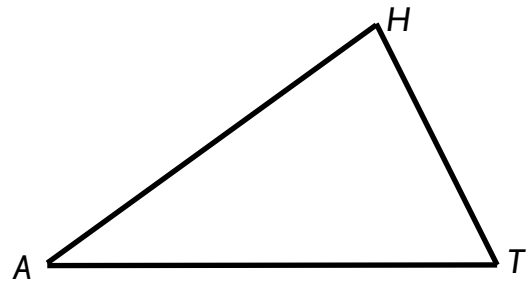


7-10: Do constructions clearly enough so that your method will be understood.

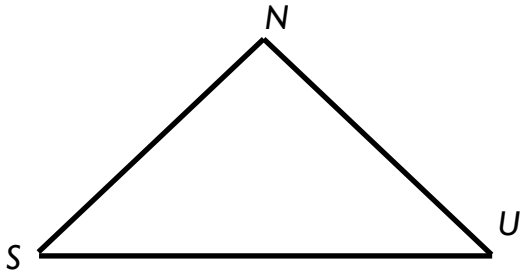
7) Construct altitude \overline{NX} of $\triangle SUN$



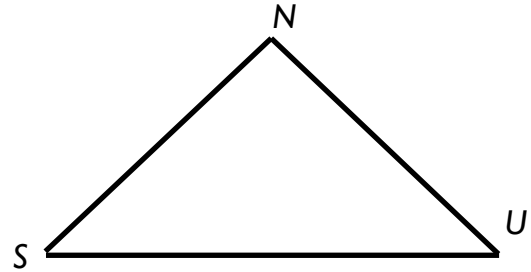
8) Construct median \overline{HX} of $\triangle HAT$



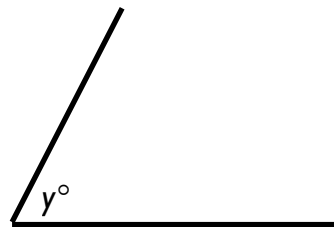
9) Construct the perpendicular bisectors of \overline{SN} and \overline{NU} .



10) Construct the bisectors of $\angle S$ and $\angle U$.



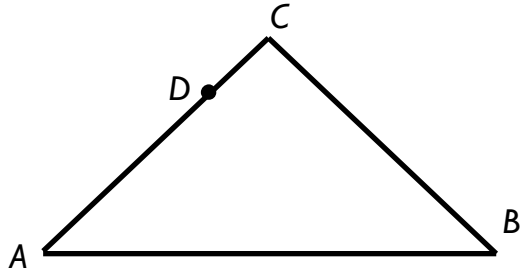
11-12: Use the segments and angle shown. Do constructions clearly enough so that your method will be understood.



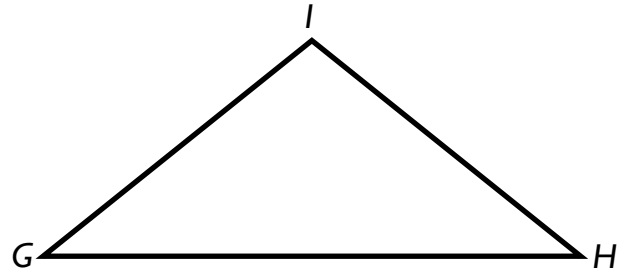
11) Construct a segment of length $a + b$

12) Construct an angle of measure $\frac{1}{2}y$

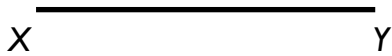
13) Construct the parallel to \overline{AB} through D .



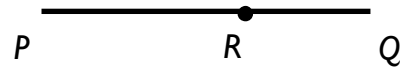
14) Construct the perpendicular to \overline{GH} from I .



15) Locate M , the midpoint of \overline{XY} .



16) Construct a perpendicular to \overline{PQ} at R .



17) Construct a 150° angle.