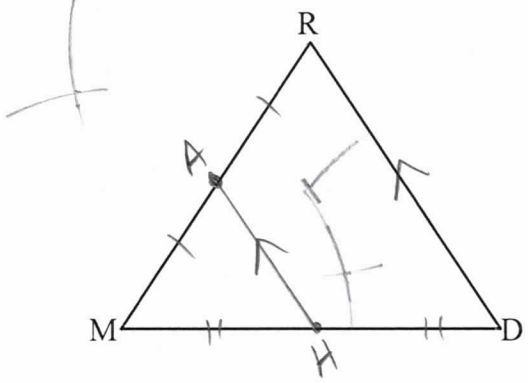
Name_____ Date_____

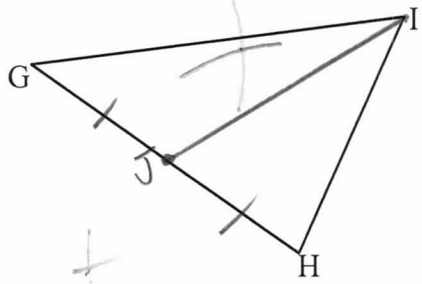
Constructions Review 2

Perform the following constructions.

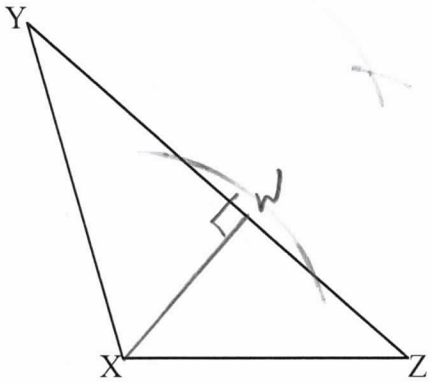
1) Construct the midsegment $\overline{HA}$ in $\triangle MRD$ that is parallel to $\overline{RD}$.



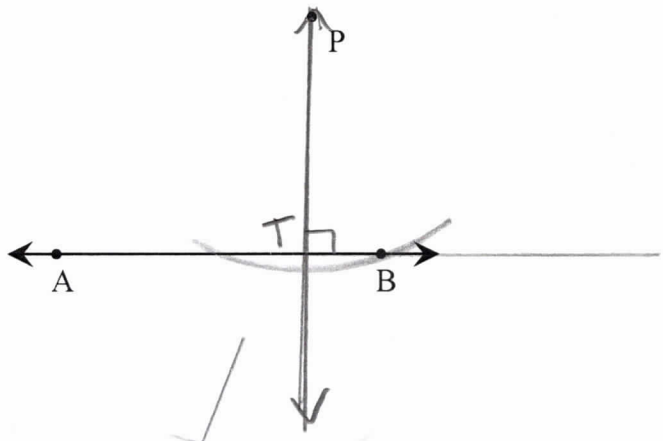
2) Construct the median $\overline{IJ}$ in $\triangle GHI$.



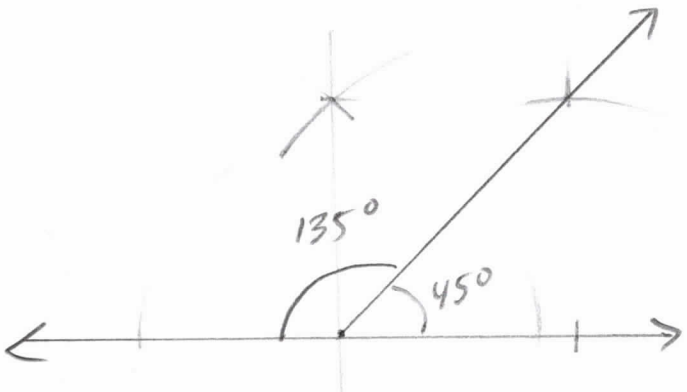
3) Construct the altitude $\overline{WX}$ in $\triangle XYZ$.



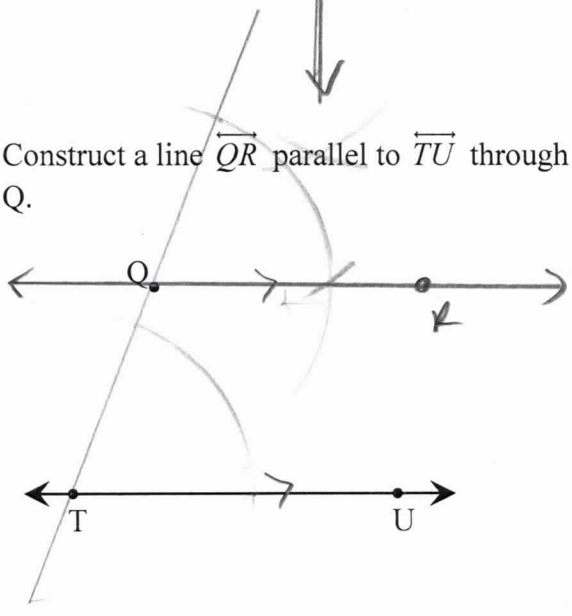
4) Construct a line $\overleftrightarrow{PT}$ perpendicular to $\overleftrightarrow{AB}$ through point P.



5) Construct an angle of 135°.



6) Construct a line $\overleftrightarrow{QR}$ parallel to $\overleftrightarrow{TU}$ through point Q.

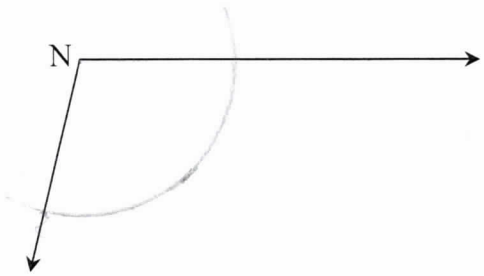


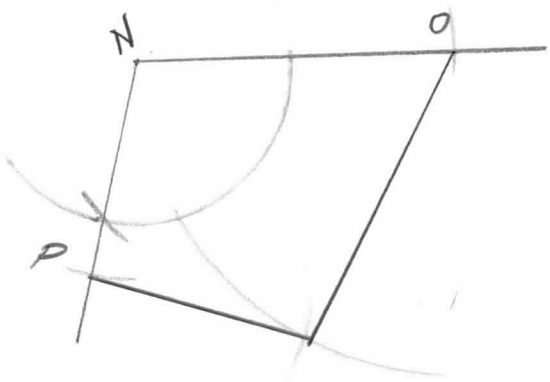
8) Construct a kite given the segments and the angle below:

N ——————— O

N ——————— P

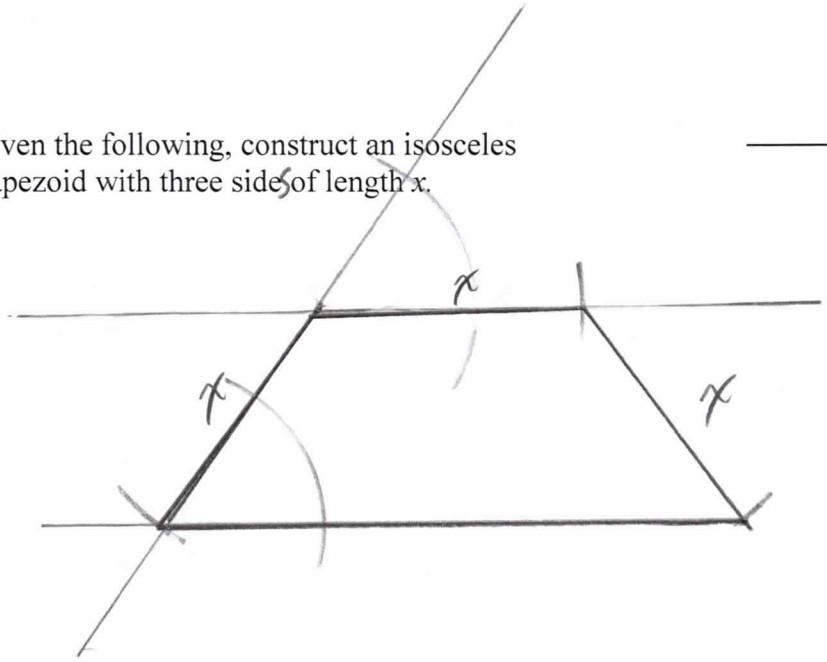
N

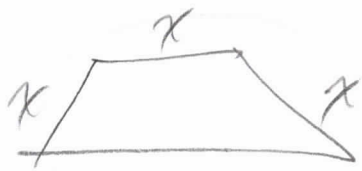




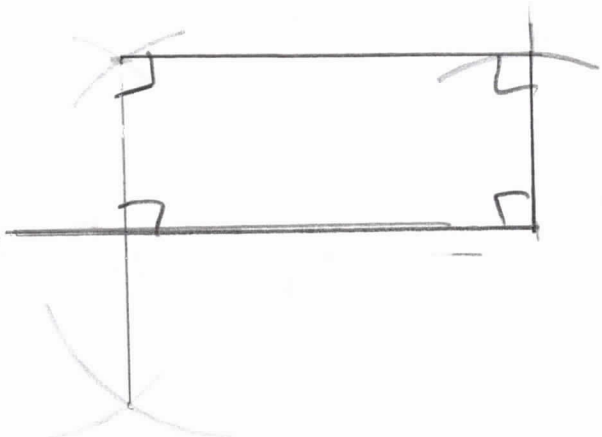
9) Given the following, construct an isosceles trapezoid with three sides of length x.

x

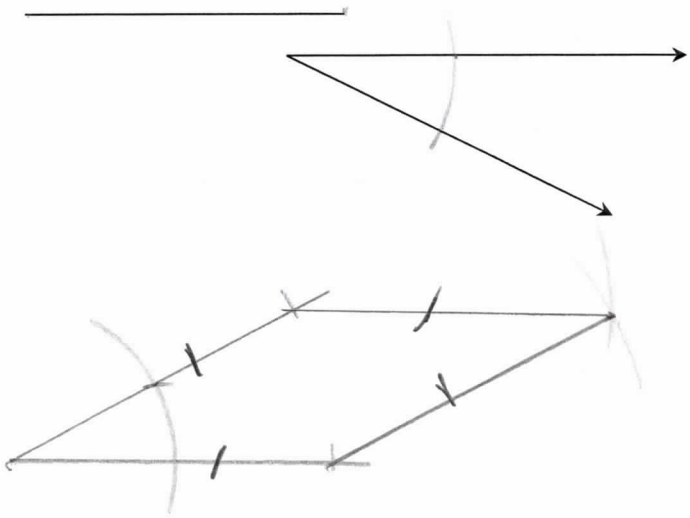




10) Construct a rectangle that is not a square.



11) Construct a rhombus using the given side and angle.



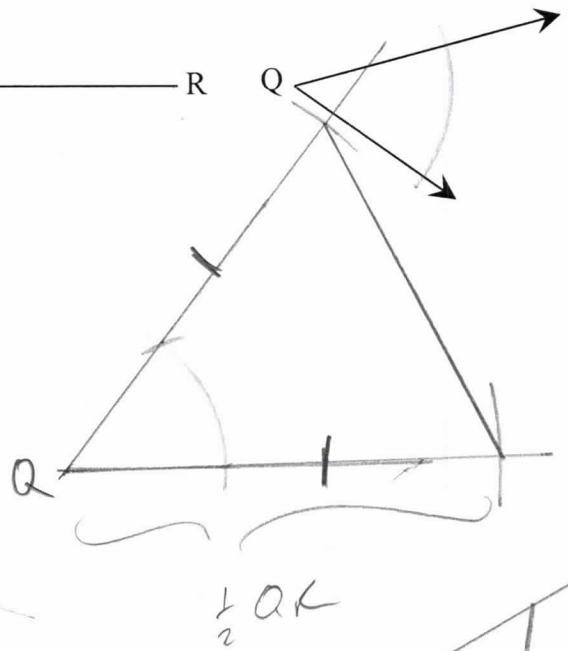
12) Construct segment EF with $EF = 2(AB + CD)$.

A ——— B

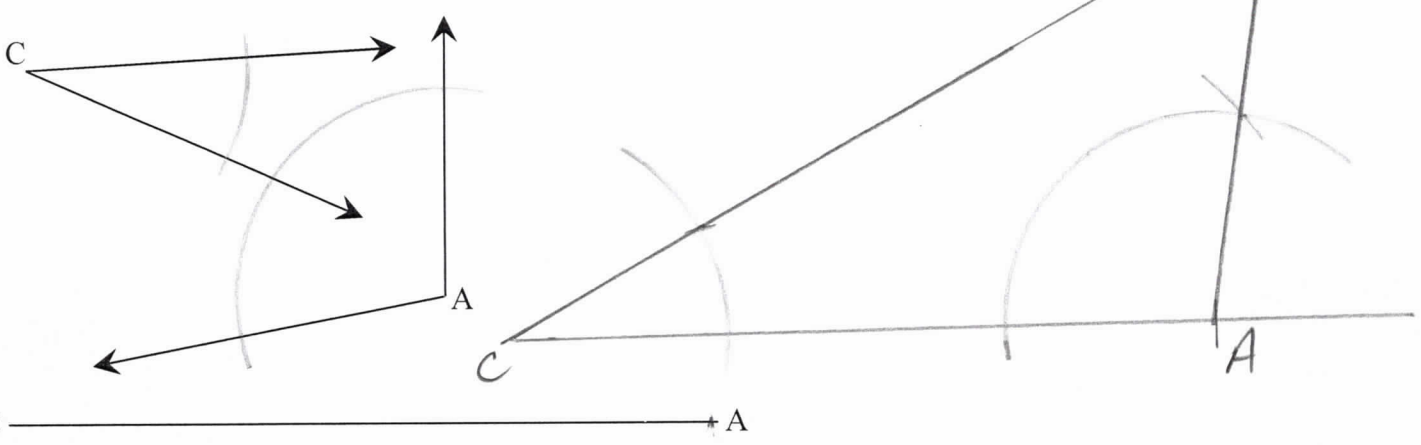
C ——— D

13) Given $\overline{QR}$ and $\angle Q$, construct an isosceles triangle with $\angle Q$ as the vertex angle and with 2 sides with length of $\frac{1}{2}QR$.

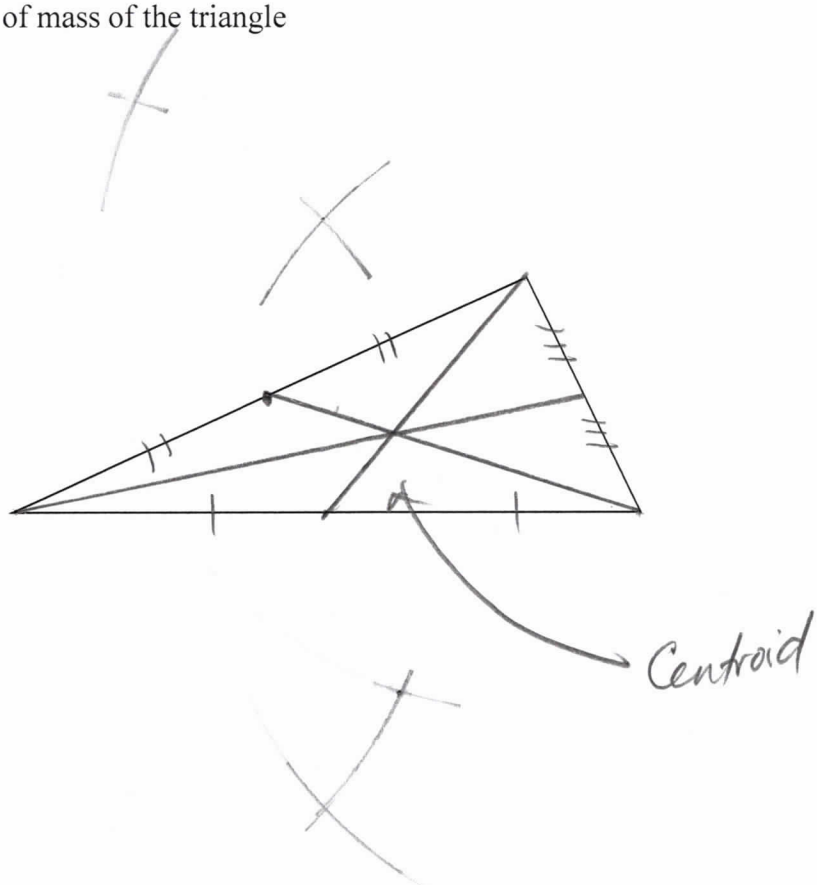
Q ——— R



14) Construct $\triangle CAT$



15) Construct the center of mass of the triangle



16) Construct a circle that would intersect each of the following points.