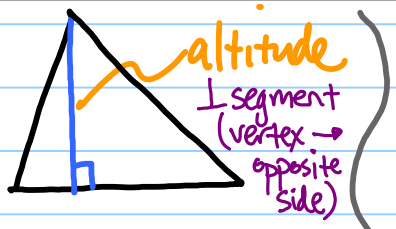
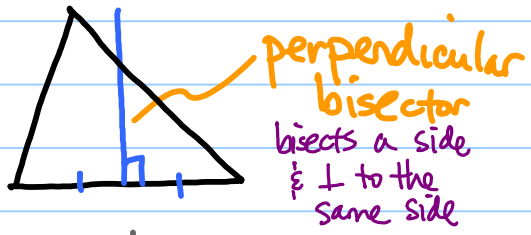
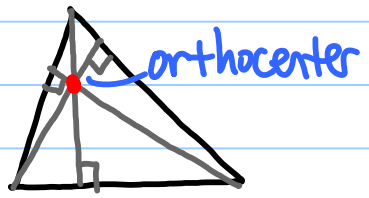
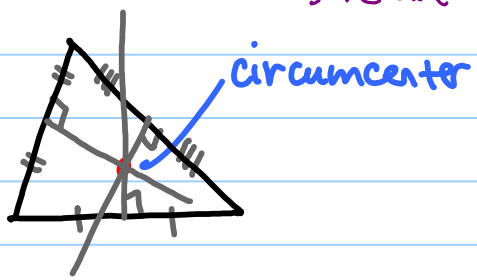
1/25 WED

6.2 Altitudes & Perpendicular Bisectors

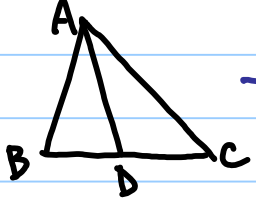








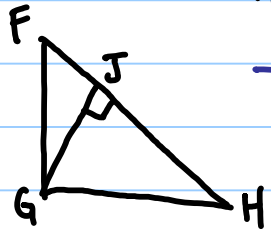
ex 1) Is $\overline{AD}$ an altitude of the Δ?



→ $\overline{AD}$ is not perpendicular!

→ no!

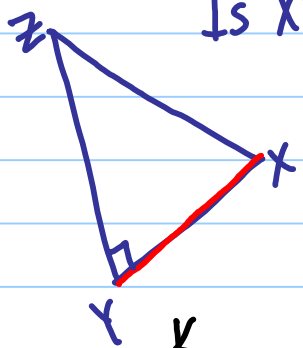
ex 2) Is $\overline{GJ}$ an altitude of the Δ?



→ $\overline{GJ}$ is an altitude (⊥ to a side)

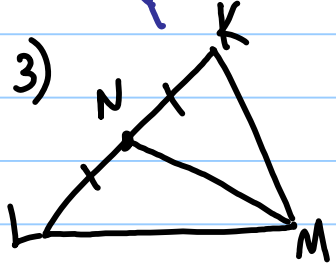
Your Turn

Is $\overline{XY}$ an altitude to ΔXYZ?



→ yes, it's ⊥ to side $\overline{YZ}$.

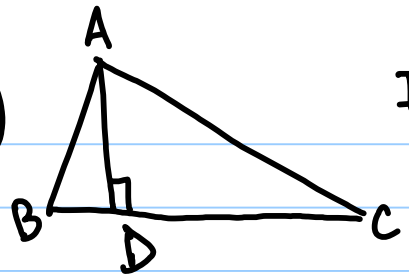
ex 3)



Is $\overline{MN}$ a ⊥ bisector to ΔKLM?

→ No... not ⊥, but $\overline{MN}$ is a median

ex 4)



Is $\overline{AD}$ a $\perp$ bisector of $\triangle ABC$?

→ No, but $\overline{AD}$ is an altitude