

HOMWORK EXERCISE

Sketch and determine each of the following...

#1. $\triangle ABC$ has vertices A (-1, 2); B(7, -2) & C(3, 6).

Determine the equation of the **altitude** from B to AC.

#2. $\triangle ABC$ has vertices A (0, -3); B(-2, 5) & C(8, -5).

a) Determine the **equation** of the **median** from C to AB.

b) Determine the **length** of the **median** from A to BC

#3. Determine the **x-intercept** of the **perpendicular bisector** of the line segment with endpoints (-2,-1) and (10,-5).