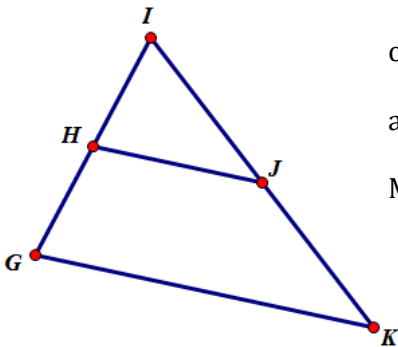**Homework:** _____

Learning Targets:

6d.   Understanding of how Angle Bisectors, Perpendicular Bisectors, Altitudes, Medians, and
        Midsegment are drawn in triangles
6f.   Understanding of the relationships created in triangles by Angle Bisectors, Perpendicular Bisectors,
        Altitudes, Medians, and Midsegments.

Vocabulary:

Midsegment of a Triangle   Triangle Midsegment Theorem

<u>Midsegment of a Triangle</u>:   a line that connects the _____ of the _____

of a triangle. It is _____ to the side it is opposite from

and is _____ the length of the opposite side (Triangle

Midsegment Theorem)

Example #1: Use the figure below to answer each question.

a. $\overline{AC}$ || _____

b. $\overline{FD}$ || _____

c. $\overline{BF} \cong$ _____ $\cong$ _____.

d. AC = _____

e. FD = _____

f. AB = _____   g. ED = _____   h. FC = _____