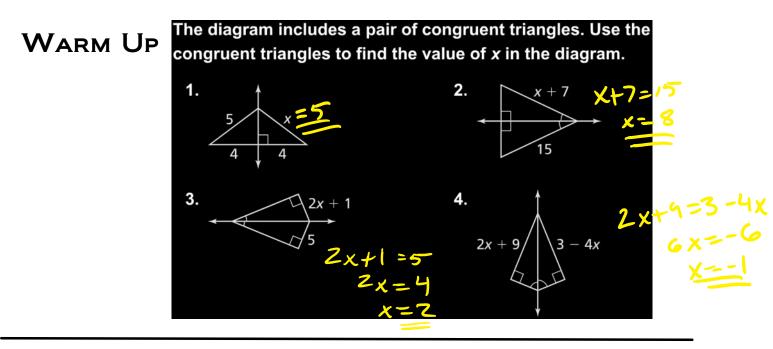
5.1 Perpendicular and Angle Bisectors

Monday, September 23, 2019 7:46 AM



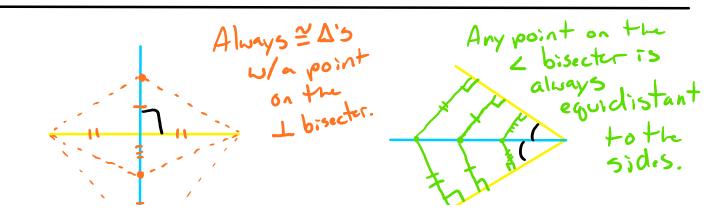
ESSENTIAL QUESTION

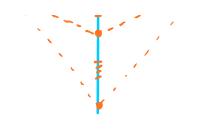
What is the relationship between a segment and the points on its perpendicular bisector? Between an angle and the points on its bisector?

NEEDED VOCAB:

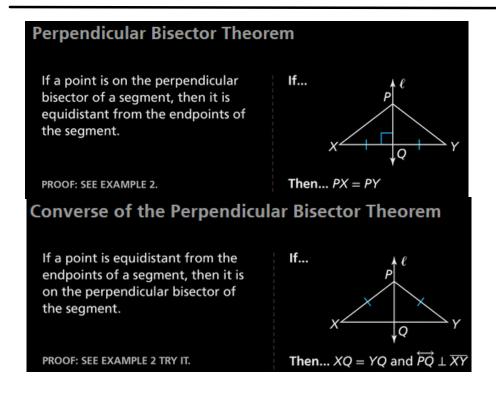
► Equidistant

GOAL: "I CAN... Use perpendicular and angle bisectors to solve problems."

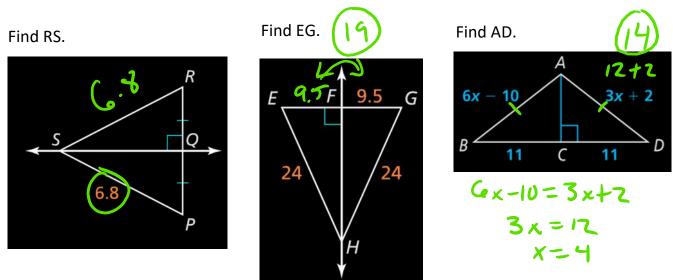


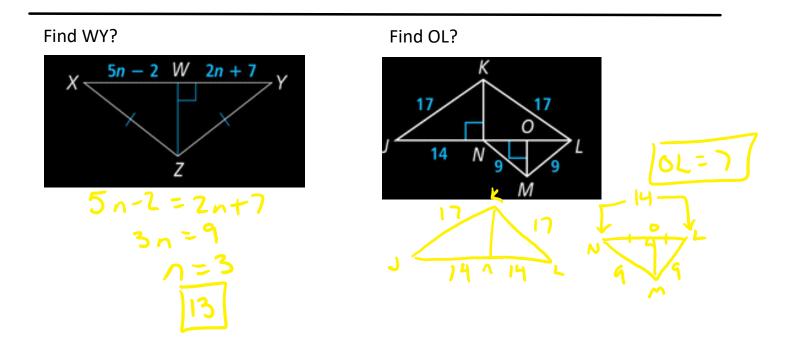




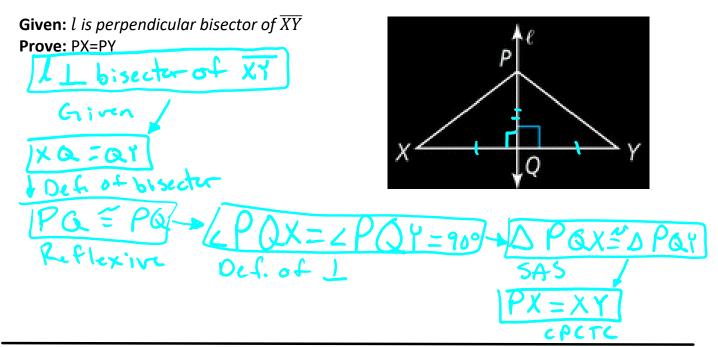


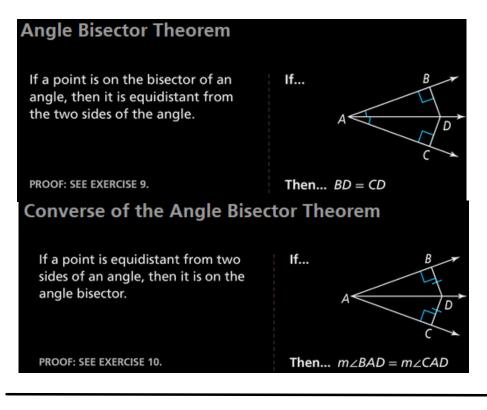
EXAMPLE 1





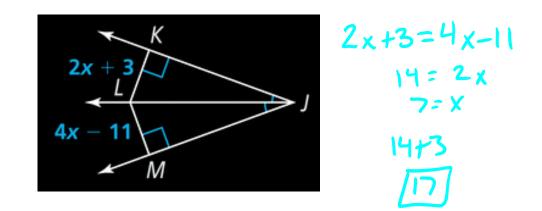
EXAMPLE 2





EXAMPLE 3

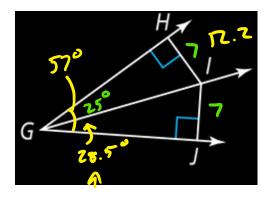
Find KL?



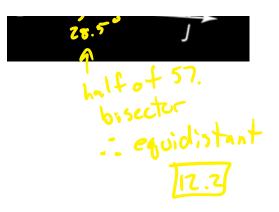
For the questions below use the same diagram but use the measures indicated.

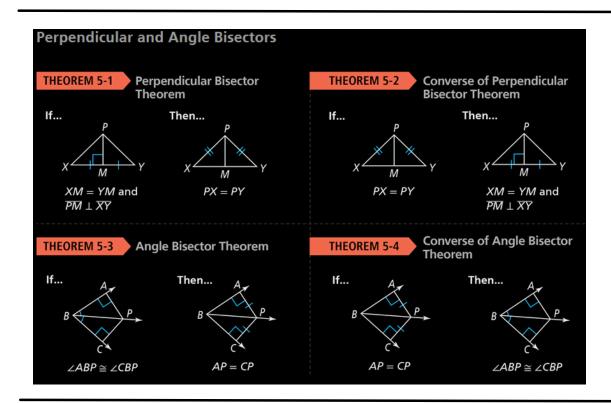
If HI=7, IJ=7, and the measure of angle HGI=25°, what is the measure of angle IGJ?

If the measure of angle HGJ=57°, the measure of angle IGJ=28.5°. and HI=12.2. what is the value IJ?



If the measure of angle HGJ=57°, the measure of angle IGJ=28.5°, and HI=12.2, what is the value IJ?





Homework

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