Name:_____ Period:_____

6.1 H Review Assignment: Perpendicular and Angle Bisectors

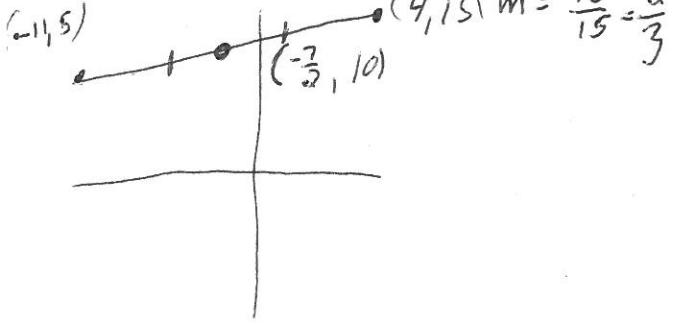
1. What is true about every point on a Perpendicular Bisector?

↳ Equidistant to endpoints of the segment it bisects.

2. What is true about every point on an Angle Bisector?

↳ Equidistant to sides of the angle being bisected.

3. Write the equation of the perpendicular bisector of the segment with endpoints (-11, 5) and (4, 15).



$m = -\frac{3}{2}$

$y = -\frac{3}{2}x + b$

$10 = -\frac{3}{2}(\frac{-7}{2}) + b$

$\frac{40}{4} = \frac{21}{4} + b$

$\frac{19}{4} = b$

$y = -\frac{3}{2}x + \frac{19}{4}$