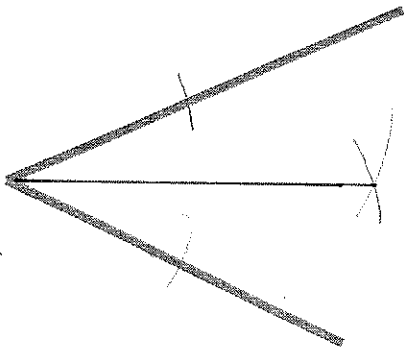Name:_____

1. What does it mean to bisect an angle?

Cut it in half

2. Using a compass and straight edge bisect the following angle.

3. What would be the measure of the angles formed by bisecting
   a) A 86° angle

   43°

   b) A 184° angle

   92°

4. A reflex angle is bisected and the resulting angles are bisected again, what type(s) of angles could the resulting angles be?

Reflex is between 180 and 360
Bisected is between 90 and 180
Bisected agais is between 45 and 90

the angles can only be acute

5. A mitre joint is used in woodworking when two boards meet along the bisection of the angle they form (see example). Draw an example of a rectangular picture frame made of 4 pieces of wood meeting with mitre joints on each corner.