HW 8/16, due tomorrow

Today in class we learned about geometric constructions. For tonight's homework you will use online tutorials to help you review the steps to copy a segment, copy an angle, and construct an angle bisector.

1) Watch the first 2 minutes and 10 seconds (2:10) of this video link.
   a. Write down or draw and label the steps to construct a copy of a line segment using a compass and a straightedge.
   b. Write down or draw and label the steps to construct a copy of an angle using a compass and a straightedge.
   c. Write one thing about these constructions that you understand, and one question that you have. (You can have more than one question)
2) Today in class we learned how to construct an angle bisector using patty paper and folding techniques. Check out this tutorial to find out how to construct an angle bisector using a compass and a straightedge.
   a. Write down or draw and label the steps to construct an angle bisector using a compass and a straightedge.
   b. Write one thing about this method that you understand, and one question that you have. (You can have more than one question)
   c. Based on this method of constructing an angle bisector, can you fill in the blank in the statement below?

   The Angle Bisector Conjecture

   If a point is on the bisector of an angle, the it is _____ from the sides of the angle.

   d. How could you check if this is true?