BECA / Dr. Huson / Geometry                                 Name:
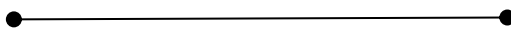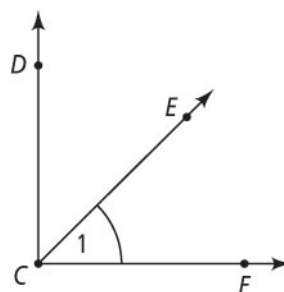September 30, 2018

Homework:
1.  Construct a perpendicular bisector of the given segment.

**Use the figure at the right.**

**2.** What are two other names for $\angle 1$?

**3.** If $m\angle DCF = 90$, $m\angle DCE = 3x + 12$, and $m\angle FCE = 4x + 1$, find the value of $x$.

**4.** Are $\angle DCE$ and $\angle ECF$ vertical, complementary, or supplementary angles, if $m\angle DCF = 90$?

5. Construct the angle bisector of the given angle.