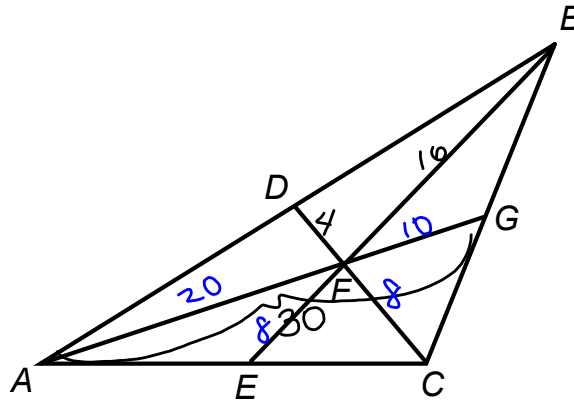## DO NOW

In the figure at the right, $\overline{AG}$, $\overline{BE}$ and $\overline{CD}$ are medians of *ABC*. If *DF* = 4, *BF* = 16, and *AG* = 30, find each of the following measures.
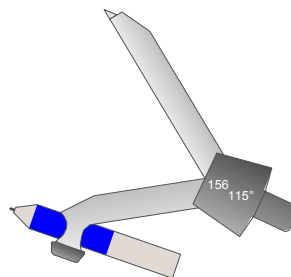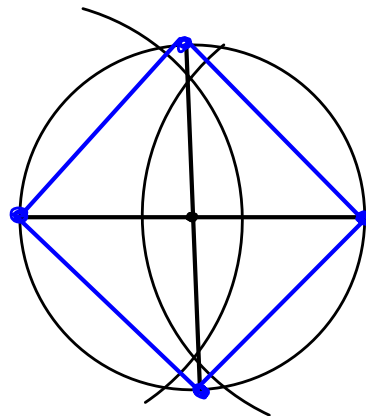
1) *FC* = 8

2) *DC* = 12

3) *AF* = $\frac{2}{3}(30)$ = 20

4) *BE* = 24

5) *FG* = 10

Oct 3-8:02 AM

Inscribe a Square in a Circle

1. Using your compass, draw a circle and label the center *O*.

2. Using your straightedge, draw a diameter of the circle, labeling the endpoints *A* and *B*.

3. Construct the perpendicular bisector of the diameter, $\overline{AB}$.

4. Label the points where the bisector intersects the circle as *C* and *D*.

5. Connect points *A* to *B* to *C* to *D* to form the square.

Oct 3-9:33 AM

1