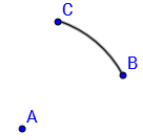
**Geometry U 1-2 Welcome to Measurement Put all work and responses on another sheet.**



1] On your paper, plot

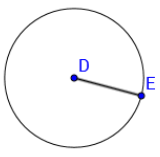
a point. Call it A.

Next, center your compass

at A and draw a set of points

that form an arc. (such as —see the example.)

\*Explain what all the points on have in common.



2] On your paper, plot a point. Call it D.

Next, center your compass at D and set

the radius to 1 ¼ inches.

DE = 1 ¼ “. (Go half way between DE = 1 ¼ “

1 inch and 1 ½ inches.) \*\*This circle is too small.

Make yours the correct size.

\*\*Explain what all the points on circle D have in common.

3] Use your compass to measure (segment FG).

 To do this, put the point of your compass on F and

the pencil point on G.

Next, ON YOUR PAPER, plot a point. Call it F.

Then center your compass—set to the length of —

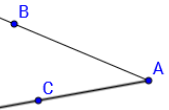
on point F on your paper and mark off the length of on your paper.

Finally, on your paper, connect F to the compass marking, so that you have a copy segment of .

\*Is your copy of the same length as the original on the worksheet? Explain what measurement tool you used, to guarantee both are the same length.

4] Use your compass to copy each segment below on your paper:

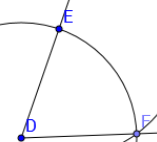


5] Use your ruler and find HI and JK (the length of each segment in problem 4). Find each length to the nearest of an inch.

6] Use your protractor and find the measure, in degrees,

of / ABC. Also name the vertex of the angle.

7] On your paper, make a copy of / EDF. original angle

 To do this, **first** plot a point on your paper.

Call it D. (This will be the vertex of your angle).

**Second**, use your compass to measure the distance

on this worksheet from D to . Copy onto

your paper. \*Make sure the distance from D to E

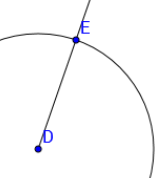
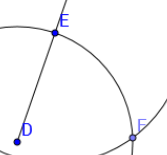
is the same as the distance from D to F.

**Third**, with your compass, measure the distance

EF on this sheet: copy that distance onto your paper.

Your copy should progress this way:

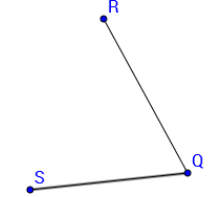
1st 2nd 3rd

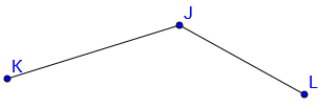




**Finally**, connect D and F.

8] Measure each angle below to the nearest degree:

[a] [b]



9] REVIEW your NOTES.

If you don’t review your notes, you can’t have any pudding. How can you have any pudding if you don’t review your notes?