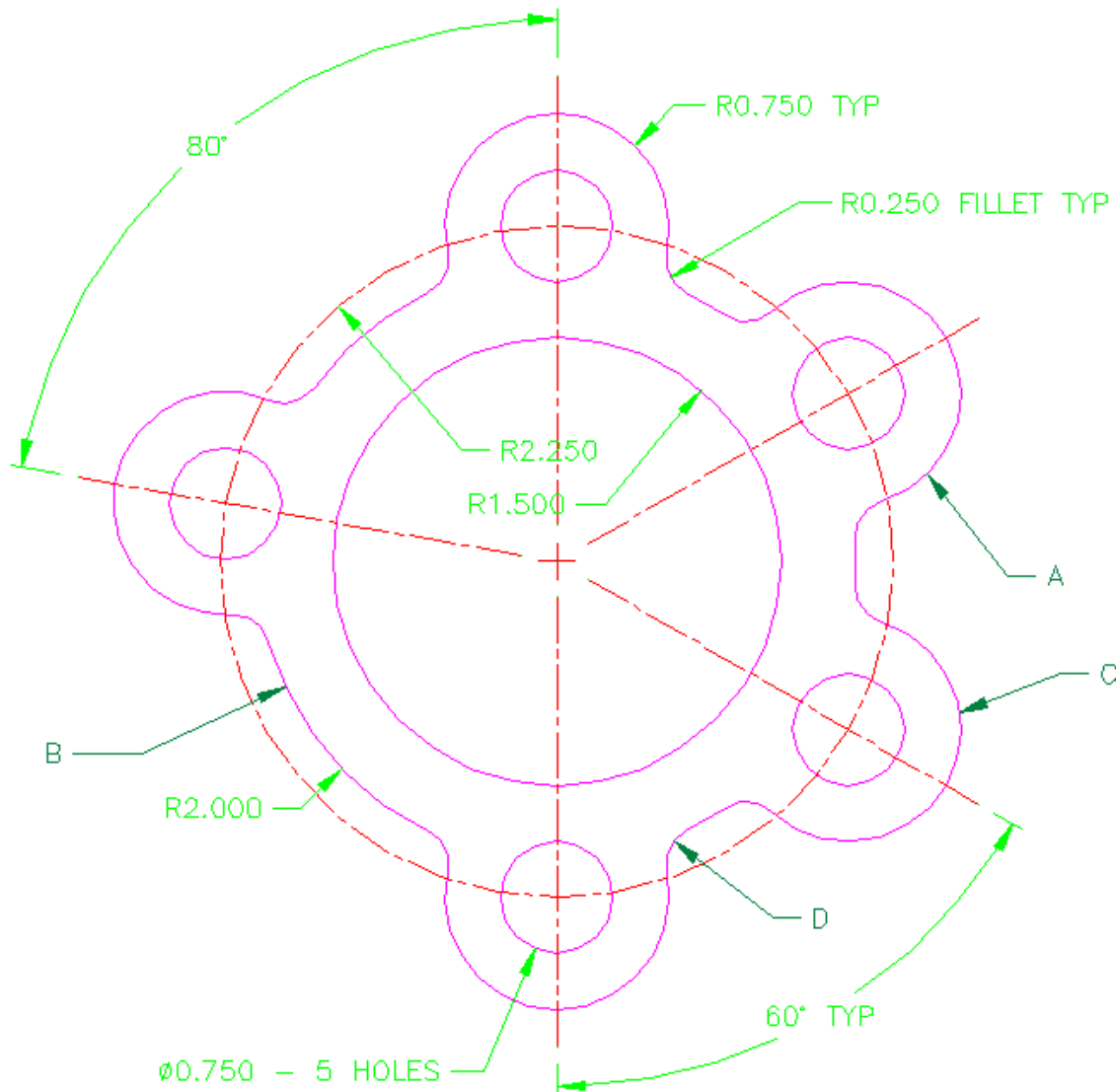


AutoCAD® Proficiency Exam

Set-up:

1. Use the **MECH160 template** with B-SIZE layout and a vp scale of 1=1.
2. Using the "UNITS" command, set units to Decimal units with **4 decimal place accuracy & Angles to "0"**.
3. Rename **layer '1'** to "GASKET1" and draw object on this layer.
4. Begin your drawing with the center of the 1.500 radius circle at Absolute Coordinate: (5.750, 4.750).
5. **Titleblock: Line-1** = GASKET1.
6. Use the template default TAHOMA as the Text Style and font (Including Dimension Style and Multileader Style).
7. Dimension in Paper/Layout Space.
8. Save as **USERID-H160-005.dwg**. (USERID is your AIMS website sign-in ID for this class).
9. Drawings should include all dimensions, Plot Scale, Title Block, Dimension Style, proper layer management techniques, proper text height, etc.).
10. Submit your drawing (Should include all dimensions, Scale, Title Block, etc.) along with the answers. Answer the questions below (off-line) before submitting the drawing and before you take the associated Quiz (on-line). If your answers are not correct, you should check your drawing for errors and correct as necessary to obtain the correct answer. Then, submit your drawing on-line.



GASKET1

1. The total area of the Gasket1 with all holes removed is closest to:

A: 9.918
B: 9.921
C: 9.930
D: 9.924

2. The absolute coordinate value of the center of the 0.750 radius arc “A” is closest to:

A: 7.669,5.875
B: 7.699,5.870
C: 7.666,5.875
D: 7.699,5.875

3. The length of arc segment “B” is closest to:

A: 1.698
B: 1.704
C: 1.710
D: 1.716

4. Draw a line, starting at the center of arc ‘D’ to the center of arc ‘C’. The angle of this line formed in the XY plane is closest to:

A: 30 deg
B: 34 deg
C: 43 deg
D: 45 deg

5. The total length of the 0.750 radius arc “C” is:

A. 2.674
B. 2.680
C. 2.686
D. 2.692

6. Use the **MOVE** command to reposition Gasket1 at a distance of 1.832 in the -45 deg direction. Use the center of 1.500 radius circle as the base point of the move. The new absolute coordinate value of the center of the 1.500 radius circle is:

A: 7.045,3.437
B: 7.045,3.443
C: 7.045,3.449
D: 7.045,3.455