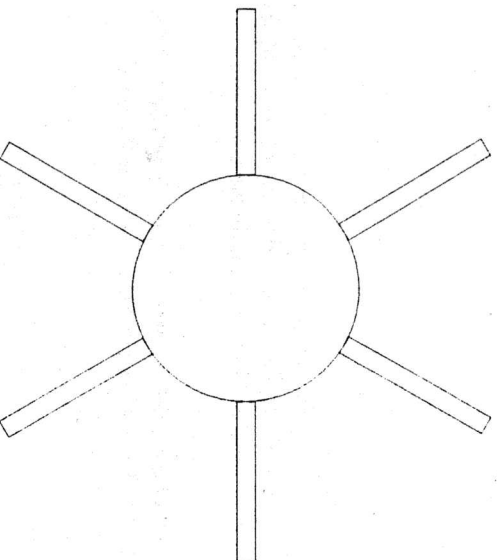


10. If you used the rectangle method to draw the previous part, you should **EXPLODE** it prior to proceeding to the following step. You will now make a "block" or symbol out of this rectangle (now exploded to 4 lines). Select the **BLOCK** command (under **CONSTRUCT**). When asked for the block name, type **SPOKE <ENTER>**. When asked for the insertion point, use the **midpoint snap** to place it in the **center of the top edge of the rectangle** (the .3" line segment across the top). When asked to select objects, select the **rectangle <ENTER>** (draw a selection box around it) (it will disappear but will now be a "block").
11. We will now insert the "spoke" block into the circle using the divide function.
12. Execute the **DIVIDE** command (under **CONSTRUCT**).
13. When asked to select object to divide, select the **circle <ENTER>**.
14. When asked for the number of segments, type **6 (for BLOCK) <ENTER>**. When asked for the block name, type **SPOKE <ENTER>**.
15. Accept **Y** to align the block with the object, then enter **6** for the number of segments. You should now have a drawing such as shown below:



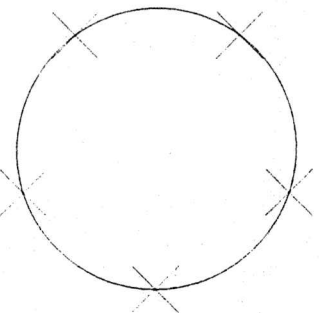
# Divide Practice

PD 5/12

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Construct the drawing as illustrated below using the following settings and procedures:

1. Set **UNITS** to **Decimal**, precision to **0.0**.
2. Drawing size: Use **ACAD** prototype for **8.5" X 11"** standard "A" size drawing.
3. Use prototype settings for all other settings such as line type, dimensions, etc.
4. Begin the drawing at any convenient place on the page. Use the illustrations below to guide you.
5. Draw a circle of diameter **3"** centered at **3.5,4.5**.
6. Under **SETTINGS**, **POINT STYLE**, set the point style to **X**, size = **8**. (Set relative to screen size).
7. Under **CONSTRUCT**, select **DIVIDE**.
8. When prompted to select object to divide, pick the **3"** circle.
9. When prompted for the number of segments/Block, type **5** <ENTER>. You should have a drawing such as shown below:



10. The circle has now been divided into 5 equal segments. The points can be "snapped" to by using the **NODE** snap. You may practice drawing lines attached to any of the points by using the **NODE** snap tool. When finished, undo your work until you have only the circle on the screen. (**UNDO** the divide points also)
11. Draw a rectangle to the right of the existing circle. Make this rectangle **.3"** wide by **2"** high. (Remember you can use the **@.3,2** relative coordinate to enter the second point of this rectangle. Your drawing should look like the illustration on the back page: