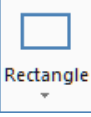


# 5 Point Star



## A. Create 5 Sided Polygon (Pentagon).

Step 1. If necessary start a new Mastercam file, click **New**  on the Quick Access Toolbar QAT (Ctrl-N).

Step 2. On the Wireframe tab **WIREFRAME** click **Polygon** on **Rectangle**  drop down.

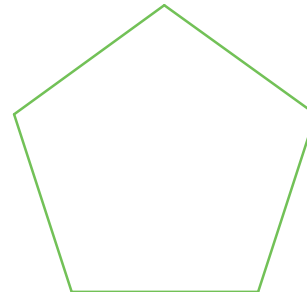
Step 3. In the Polygon dialog box set:

**Number of Sides**  **5** **Fig. 1**

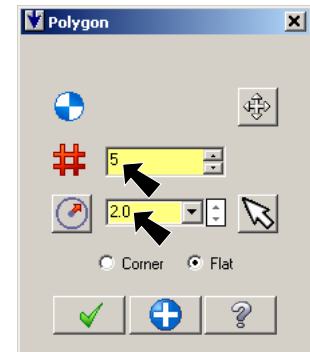
**Radius**  **2** and press ENTER

Press **O** key on keyboard to select AutoCursor **Origin** override, **Fig 2**

Click OK .



**Fig. 2**

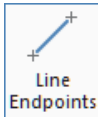


**Fig. 1**

Step 4. **Right click** the graphics window and click **Fit**  (Alt-F1).

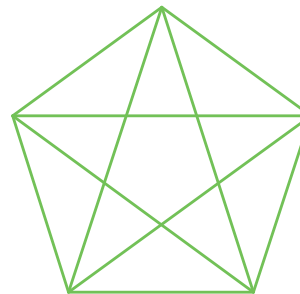
## B. Draw Lines Into Corners.

Step 1. On the Wireframe tab **WIREFRAME** click **Line Endpoints**

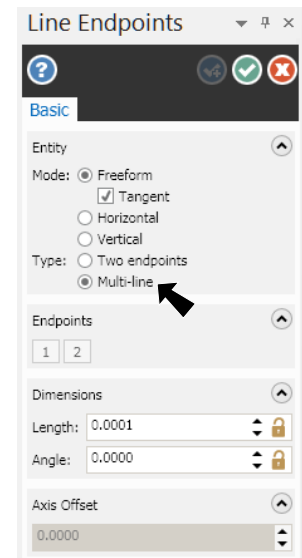


Step 2. In the Line Endpoints function panel:  
under Type, **Fig. 3**  
select **Multi-line**  
Sketch the lines between endpoints of polygon, **Fig. 4**

Click OK  when done.



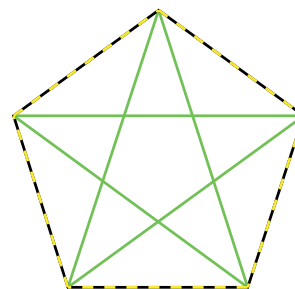
**Fig. 4**



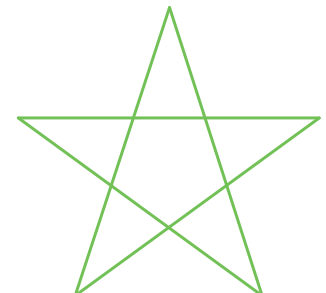
**Fig. 3**

## C. Delete Polygon.

Step 1. Delete polygon. To delete, click each **line of polygon** and press **Delete** key on keyboard, **Fig. 5** and **Fig. 6**.



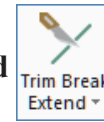
**Fig. 5**



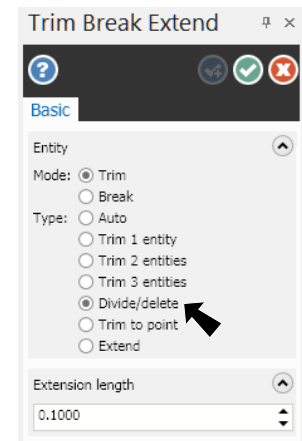
**Fig. 6**

## D. Trim Using Divide.

Step 1. On the Wireframe tab **WIREFRAME** click **Trim Break Extend**



Step 2. In the Trim Break Extend function panel:  
under Type, **Fig. 7**  
select **Divide/delete**  
Click **line segments between each point of star, Fig. 8**  
Click OK  when done.

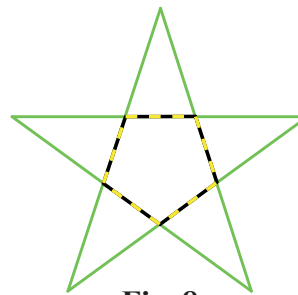


**Fig. 7**

## E. Save As “5 STAR”

Step 1. Click **Save As**  (Ctrl-Shift-S) on the Quick Access Toolbar QAT.

Step 2. Key-in **5 STAR** for filename and press ENTER.



**Fig. 8**



**Fig. 9**