**Technology 1**

**Daily Assignment 926/29, AutoCAD Polar Arrays**

First, create a “lastname\_926/29” folder on your network space for this assignment. Save all of the following drawings into this folder.

**Polar Array Problems:**

**DRAWING 1:** Page 238, Problem 6. (Draw this cooling fan. Create the center circles and use POLAR ARRAY to copy the tiny circles 3x around the center. Then, create one blade, then use POLAR ARRAY to copy it to the other two locations.)

**DRAWING 2:** Page 241, Problem 11. (Draw TWO of these snowflakes. Your choice. If AutoCAD is pretty easy for you, pick hard ones! You can use the grid system suggested in the book if it makes it easier for you, but I found it to be more work than help.)

**DRAWING 3**: Page 243, Problem 3. (Draw the two crossing spokes, then use POLAR ARRAY to complete the circle.)

**DRAWING 4**: Page 953, Problem 71. (Pick ONE of these two hubcaps to replicate. Your drawing should be as exact as possible!)

**DRAWING 5**: Page 922, Problem 33. (Create one of the outside slots and use POLAR ARRAY to copy around the circle.)

**DRAWING 6**: Page 953, Problem 70. (Draw this figure. This is pretty tough problem. Estimate the dimensions of the small “hex bolts” on the inside. Instead of an angle of 70.05°, just use 70°, also, make the inside RADIUS dimension 1.25 instead of 1.0)

**CHALLENGE PROBLEM ONE:** Page 923, Problem 35. (Draw this figure. The hardest part of this figure is figuring out how to make the jags in the outer edge if the blade. The information is all there. Use POLAR ARRAY as needed. You don’t have to DIMENSION this one)

**CHALLENGE PROBLEM TWO**: Page 922, Problem 34. (A tough problem, mainly because of all of the fractions involved. Lots of TTR Circles here.)

**COPY your “lastname\_926/929” folder to Mr. B.’s M: Drive Drop Box Folder (now called “hsdropbox”) for your class period.**

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