



Homework-2

Student Name: _____

Grade: $\frac{\quad}{5}$

- 1- Write a line of code in absolute coordinates to move the spindle 10 inches to the right in the X axis at a feed rate of 10 ipm.

N01 _____

- 2- Write a line of code to turn the spindle ON in a clockwise direction at 800 rpm.

N01 _____

- 3- Write a line of code to make sure the control is in incremental and metric mode.

N01 _____

- 4- Write two lines of code to make the following move at a feed rate of 10 inches per minute.
(write one line in absolute mode and one line in incremental mode).



Absolute	N01 _____
Incremental	N01 _____



5- Find the absolute X and Y coordinates that must be input for drilling *hole 4* shown in Figure 1 then write the required lines of code in absolute mode to move the tool in rapid mode to *hole 4* and then move the tool back to origin at $(0,0)$ finally end the program. All dimensions are in millimeters. [Hint: use right -triangle to find the X and Y]

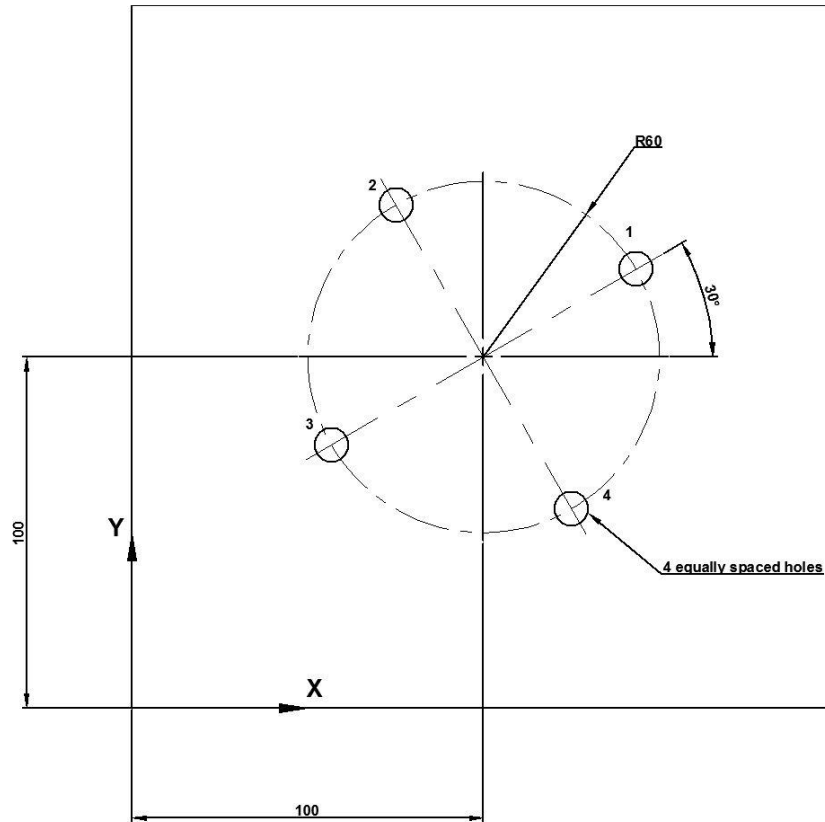


FIGURE 1

N01	_____
N02	_____
N03	_____