

### III. Turning a Multi-axis Base

I turn two sizes of multi axis bases. For platters that are 14" or larger, I turn a 9" (4 1/2" radius) multi axis base, for platters less than 14" I turn a 6"(3" radius) multi axis base.



#### I. Prepare the Platter Front to Turn a 9" Multi-axis Base

1. Draw a 1" radius circle in the center of the platter front.
2. Divide the circumference of the circle into thirds. Use the radius of this circle to divide the circle into thirds.
3. This is done by marking a line anywhere on the circle and using the compass to make five additional equally spaced lines. Mark every other line. You now have divided the circle into thirds.
4. Drill 3/8" holes 3/4" deep for your screw chuck in the center of the platter and at each of the three points on the circle. Number the holes on the 1" radius circle 1, 2 and 3.
5. Use an Oneway screw chuck; other screw chucks may require a different size hole. For 1 1/2" thick wood I drill a 5/8" deep hole and use a 1/8" spacer between the blank and the screw chuck.
6. I use a screw chuck in the center hole to mount the platter blank on the lathe and true it up.
7. With the blank mounted in the center hole and the edge turned, you are now ready to turn the foot and base.

**Note:**  
Drill (4) 3/8" holes 3/4" deep.

