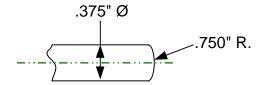
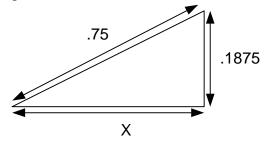
OmniTurn Programming Example

To find beginning and end point of .750 R for machining arc on end of part:



1. Draw reference right triangle using hypotenuse (longest leg) as radius size. Use 1/2 of part diameter as vertical leg.



- 2. Solve for X. Use $.75^{2}$ $.1875^{2}$ = X^{2} .5625 .03516 = X^{2} .52734 = X^{2} .72618 = X
- 3. Using value found for X, subtract X from radius size to determine distance travelled in Z-axis from start to end of radius

$$.75 - .72618 = .02382$$

4. Program sequence for a sharp cornered tool would be:

X0Z0 G02X.375Z-.02382R.75

or

X.375Z-.02382 G03X0Z0R.75