

Name: \_\_\_\_\_

Score: \_\_\_\_\_

## Lathe Part

Design a simple flat washer to fit a  $\frac{1}{4}$ -20 bolt. Center hole size: must fit over  $\frac{1}{4}$ " bolt but not over a  $\frac{5}{16}$ " bolt.

The max diameter to not exceed  $\frac{15}{16}$ "

Thickness of  $\frac{3}{32}$ "

Material: 6061 Aluminum

1. Develop a procedure to cut the parts out
  - Procedure must contain the material, tooling, equipment, and steps of your operation.
2. Cut out the parts
3. Compare with desired measurements
4. Machine 10 to turn in