

Name \_\_\_\_\_

## Lab # 2 -- Tool Sharpening Template

### Description:

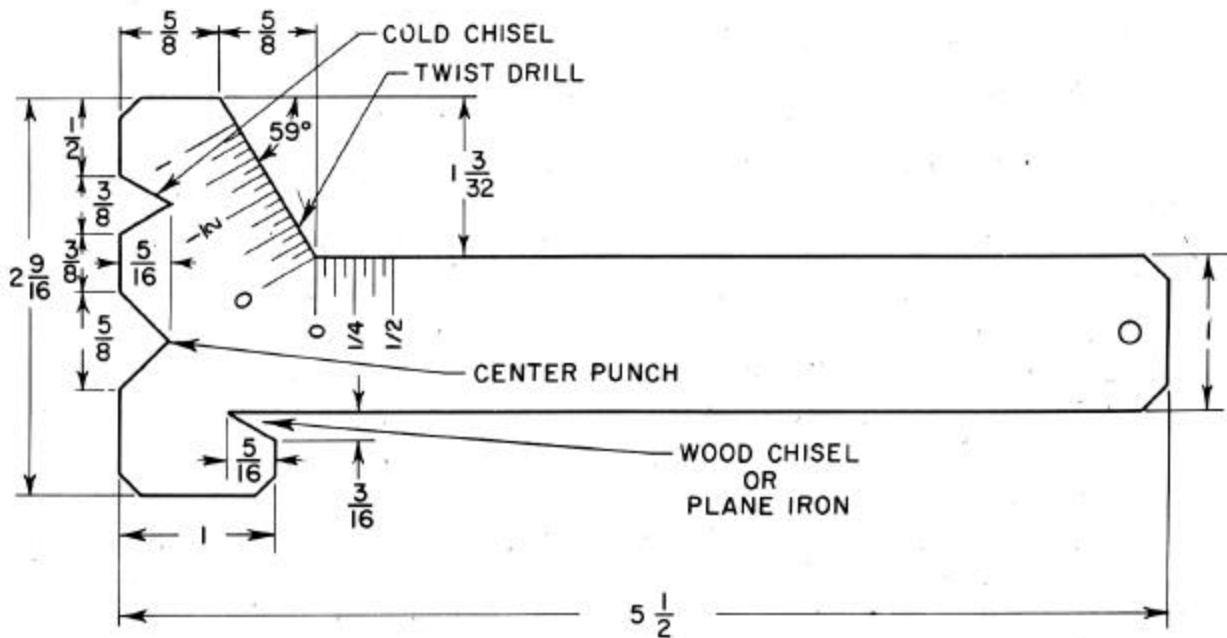
The tool sharpening template demonstrates skill in project layout. In addition, the template is a useful tool and will be used for the tool sharpening lab.

### Materials:

22 ga. Galvanized sheet metal,  
approximately 4" x 7"

### Tools:

Combination Square  
Scribe  
Snips  
Metal punch  
Sheet metal gauge.



Tool Sharpening Template

Name \_\_\_\_\_

**Directions:**

1. Review the drawing and the grading criteria.
2. Use the sheet metal gauge to verify the thickness of the material,
3. Use the square to create a square corner on the upper right corner (4" side on top) of the sheet metal. Trim to square if necessary.
4. Make all measurements from the right or top edges. Total length is 5 1/2".
5. Layout the project using the diagram. Measure carefully.
6. Cut out the project using snips.
7. Flatten, if needed
8. Use the scribe to mark the scale as shown on the template.
9. Punch a hole in the bottom of the handle centered about 1/2" from the bottom.
10. Using the scribe, write your name on the project and hand in with this CLEAN sheet.

Grading:

<b>Criteria</b> ( <i>Tolerance 1/32"</i> )	<b>Possible</b>	<b>Score</b>
Length 5 1/2"	3	
Width 2 9/16"	3	
Handle Width 1"	3	
Center punch "V"	3	
Cold Chisel "V"	3	
Plane Iron "V"	3	
Drill bit angle 59°	3	
Cutting (minimum over cut, cuts on line)	4	
Marking Scale	2	
General appearance and workmanship	3	
<b>TOTAL</b>	<b>30</b>	