



## Cad Shootout

(Individual; On-Site Completion)

Mechanical Drafting Problem only

**Description:** This event will allow students to demonstrate their skill in operating a CAD system. The problem will consist of the student producing a drawing in the least amount of time with the highest degree of accuracy.

### General Rules And Regulations:

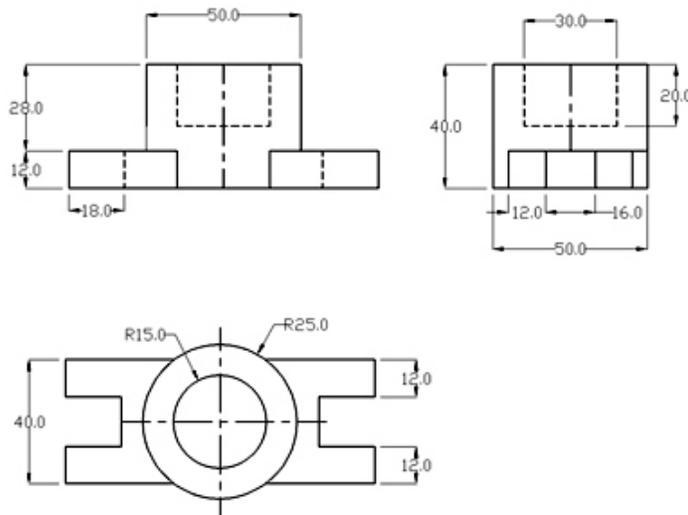
1. The only equipment allowed for the event is:
  - a. Any standard computer system
  - b. Input device such as mouse, graphic tablet, or light pen
  - c. Any standard CAD software
  - d. Output device such as a plotter or printer for drawing printout.
2. The completed drawing will be printed on 8 1/2" x 11" paper.
3. All students have one (1) hour to complete assignment. Late arrivals will have the remaining time in competition for completing their entry.
4. The printed drawing must be to scale.
5. All lines styles must be applied to explain object.
6. Views must be in proper arrangement.
7. Each student will be provided a drawing (including title block) to be produced with the CAD system.  
(NOTE): Each entrant will receive the same drawing to produce)
8. Drawings to be produced will be based upon CAD.
9. Final drawing printing time isn't included in drawing production time.
10. Draft prints are included in the drawing production time.

### Criteria For Judging is based upon 1) accuracy, 2) speed, and 3) completeness of drawing.

11. The entry with the highest rating will receive awards.
12. The rating scale is 0 to 200.
13. Each minute of drawing production cost 1 rating point.
14. Each mistake on the drawing cost 5 rating points.
15. Each entry starts the event with a 200 point rating and each mistake/minute cost points.

### Any Rules And Regulation Violation - (-20 Points)

### Awards In Level: I and II.





## CAD SHOOTOUT EVALUATION FORM

Name: \_\_\_\_\_ School: \_\_\_\_\_ Level I or II

### Architectural or Mechanical (circle one)

#### RULES AND REGULATIONS CHECKLIST

Check items/requirements met:

- \_\_\_\_\_ 1. The completed drawing will be 8 1/2" x 11.  
\_\_\_\_\_ 2. The printed drawing must be to scale.  
\_\_\_\_\_ 3. Each student will be provided a drawing (including title block) to be produced with the CAD system.  
(NOTE: Each entrant will receive the same drawing to produce through the use of an overhead projector.)

The only equipment allowed for the event is:

- \_\_\_\_\_ 4. Any standard computer system  
\_\_\_\_\_ 5. Input device such as mouse, graphic tablet, or light pen  
\_\_\_\_\_ 6. Any standard CAD software  
\_\_\_\_\_ 7. Output device such as a plotter or printer for drawing printout.

(NOTE: Final drawing printing time isn't included in drawing production time.)

(NOTE: Draft prints are included in the drawing production time.)

#### JUDGE SCORING

The Rating Scale is 0 to 200.

- \_\_\_\_\_ Total Minutes of Drawing Production (NOTE: Each minute of drawing production costs 1 rating point)  
\_\_\_\_\_ Total Mistakes multiplied by 5 (NOTE: Each mistake on the drawing cost 5 rating points)  
\_\_\_\_\_ **Total score (200 points minus production minutes & mistakes)**  
\_\_\_\_\_ **Any rules and regulation checklist violation (-20 points)**

\_\_\_\_\_ **Entrant ranking**

