



CAD 2 Post Test Study Guide

1) Inventor

- a. Who uses it?
- b. Commands
 - i. Sweep
 - ii. Loft
 - iii. Circular Pattern
 - iv. Revolve
 - v. Fillet
 - vi. Chamfer
 - vii. Threads
 - viii. Ellipse
 - ix. Circle
 - x. Emboss/Engrave
 - xi. ...
- c. Assemblies
- d. Drawing Files
- e. Exploded Views
- f. Section Views
- g. Animations
- h. Assemblies
- i. Drawing Files
- j. Exploded Views
- k. Section Views

2) Sumo

- a. Horsepower vs. Torque
- b. Gear Ratios
 - i. Gear Trains
 - ii. Compound Gear Ratios
 - iii. How to create HP or TRQ
 - iv. Driven, Idler, Driver

3) 3D Printing

- a. Inventor + year
- b. Shift from industrial to consumer
- c. Pros/cons
- d. Types
 - i. SLA
 - ii. SLS
 - iii. FDM
- e. Size?
- f. Manufacturing method
- g. STL?
- h. 3D Printing companies

- i. Parts of a 3D printer/processes
 - i. Extruder
 - ii. Build plate
 - iii. Filament
 - iv. Support structure
 - v. Bridge
 - vi. Infill
 - vii. Brim/skirt
 - viii. ...
- 4) Technology is...
- 5) Safety
 - a. Band Saw
 - b. Drill Press
 - c. Steps before using machines
 - d. Safety margin
 - e. Height of safety guard
 - f. Relief cuts
- 6) Systems of Technology
 - a. How many?
 - b. List all of them