



TDJ3M – Test # 2 Review

Orthographic Drawing and AutoCAD

Study Lesson 1-3: Engineering Drawings

Orthographic Projection

- Three standard views – Front, Top, Right
- Isometric view – a 3-Dimensional representation of the part with depth lines drawn at 30° angles

Study Lesson 2-1: CAD/CAM Introduction

CAD – Computer Aided Design

- Advantages of CAD
 - Easier creation and correction of drawings
 - Better visualization of drawings
 - Toolbox of drawing aids
 - Quick and convenient design analysis
 - Simulation and testing of designs
 - Increased accuracy
 - Improved filing
 - Better communication with manufacturing

Isometric view – a 3-Dimensional representation of the part with depth lines drawn at 30° angles

Also Know ...

AutCAD LT basics:

1. Review the following **tutorials** from the class webpage:
 - ACAD Intro Tutorial
 - ACAD Offset Tutorial
 - ACAD Problems
2. Know how to do **Assignment #2** from the webpage like the back of your hand!!!
3. Know **layers** – know how they work and how to manipulate them
4. Know how to **start a new document** and **insert a standard border**
5. Know the following **icons** and **how they work**
 - a. **line**
 - b. **offset**
 - c. **mirror**
 - d. **trim**
 - e. **extend**
 - f. **delete**
 - g. **layer property manager**
 - h. **circle**
 - i. **rectangle**
 - j. **move**