Orthographic and Isometric Views

• Standard for Engineering Drawings
• Conventions for
  – Hidden lines
  – Center lines
  – Position of views
Orthographic Planes

Isometric View

front

side

top
Orthographic Views

- Plane views showing true dimensions
- Planes are orthogonal to each other
- Side, front and top views as necessary
- Contain hidden lines, center lines
- May contain dimension lines
Show hidden lines, including

- Edges not directly seen in this view
- Sides of circles or other curved surfaces
- Dashed line style
- Not shown in isometric view
Center Lines

- Centers of circles
- Centers of cylinders
- Dot Dash Line Style
- Not shown in isometric
Drawing the Isometric