## Cive 201 – Eng'g Drawing Tools

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## **Drawing Tools**

- ➤ Line:
  - Drawing a line:
    - 1. Click to determine the start point of the line
    - 2. Click to determine the end point of the line
  - Blue dimension is a temporary dimension of the line drawn that could be directly adjusted to specify the length needed of the line.
- > Rectangle:
  - Drawing a rectangle:
    - 1. Click to determine the first corner of the rectangle
    - 2. Click to determine the diagonal corner of the rectangle
  - Dimensions of the rectangle could be adjusted after drawing it
- ➤ Circle:
  - Drawing a circle:
    - 1. Click to determine the center of the circle
    - 2. Click to determine the radius of the circle
  - Radius of the circle can be directly adjusted
- ➤ Inscribed/Circumscribed Polygon:
  - Drawing a polygon:
    - 1. Click to determine the center of the circle that is inscribed/circumscribed around the polygon
    - 2. Click to determine the radius of that circle
  - Dimensions of the polygon should be adjusted after setting the center of the polygon. It cannot be adjusted later

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## > Arc:

- Draw an arc (choose one of many types available):
  - 1. Specify Start-End-Intermediate Point
  - 2. Specify Center-Start-End
  - 3. Click on two connected lines to draw a Tangent End Arc
  - 4. Click on two disconnected lines to draw a Fillet Arc