

**General Notes:**

Please sketch and solve the following intersections. Include all given information in your sketch as well as any calculated intermediate values so that partial credit can be given in the event that your final answer is incorrect. A north arrow will be an invaluable addition to these and all future sketches. Checking is highly encouraged. Please box your final answer or answers.

1. P.O.L. #1 = 5126.0827 N and 9603.9645 E  
Bearing #1 = S07°18'49"W

P.O.L. #2 = 5098.4765 N and 9827.0139 E  
Bearing #2 = S37°49'58"W

$$\boxed{4748.93253}$$

$$\boxed{9555.55938}$$

2. Radius Point #1 = 4452.4982 N and 7513.0633 E  
Radius #1 = 267.98'

Radius Point #2 = 3937.0482 N and 7604.2293 E  
Radius #2 = 275.64'

$$\boxed{4211.46409}$$

$$\boxed{7630.17793}$$

*and*

$$\boxed{4185.91589}$$

$$\boxed{7485.72917}$$

3. P.O.L. #1 = 6731.0886 N and 9629.1283 E  
Bearing #1 = N77°58'50"W

Radius Point #2 = 9157.7617 N and 5198.9081 E  
Radius #2 = 3030.813'

$$\boxed{7184.53461}$$

$$\boxed{7499.38681}$$

*and*

$$\boxed{8292.78942}$$

$$\boxed{2294.14470}$$