

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 = 3786.9291 N and 11334.3410 E
Bearing #1 = N15°59'47"W

P.O.L. #2 = 3937.4127 N and 11296.0858 E
Bearing #2 = N18°41'22"W

(30 points)

2. Radius Point #1 = 1967.8529 N and 6105.0334 E
Radius #1 = 504.20'

Radius Point #2 = 2126.4817 N and 5933.0571 E
Radius #2 = 391.88'

(35 points)

3. Radius Point #1 = 7218.4164 N and 5039.6448 E
Radius #1 = 2949.92'

P.O.L. #2 = 3369.4287 N and 5025.2973 E
Bearing #2 = N01°00'11"W

(35 points)