

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 = 7631.413 N and 5723.610 E
Bearing #1 = N85°15'00"E

P.O.L. #2 = 6615.016 N and 7012.813 E
Bearing #2 = N02°30'00"W

(30 points)

7734.47617
6963.93631

2. Radius Point #1 = 4566.987 N and 9250.000 E
Radius #1 = 450.00'

Radius Point #2 = 4896.472 N and 8613.630 E
Radius #2 = 445.00'

(35 points)

4495.09507
8805.77984

and

4971.23514
9052.30468

3. P.O.L. #1 = 9084.510 N and 6465.210 E
Bearing #1 = N31°17'00"W

Radius Point #2 = 9261.180 N and 6123.580 E
Radius #2 = 230.00'

(35 points)

9268.41689
6353.46612

and

9461.88070
6235.91535