

| | N | E |
|---|----------|----------|
| R | -7317.37 | -9136.65 |
| S | -7317.55 | -8136.73 |
| N | -7517.48 | -8936.51 |

$$RS \Rightarrow 399.92 \text{ m}$$

$$\text{mid} \Rightarrow 399.92 \div 2 \Rightarrow 199.96 \text{ m}$$

$$\text{Or POL}(-0.18, 399.92) = \boxed{399.92} \text{ RCL F} = 90^\circ 01' 33''$$

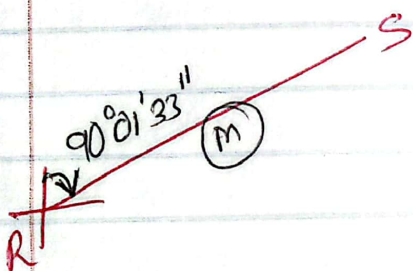
$$R-M \Rightarrow 199.96 = \frac{\text{Departure RM} (X_m - (-9136.65))}{\sin 90^\circ 01' 33''}$$

$$199.96 = \frac{X_m + 9136.65}{\sin 90^\circ 01' 33''}$$

$$X_m = -8936.69$$

$$199.96 = \frac{\text{Latitude RM} (Y_m - (-7317.37))}{\cos 90^\circ 01' 33''}$$

$$Y_m = -7317.28$$



(1) Coordinates (M)

-7317.28 (N)

-8936.69 (E)

(2) Bearing MN & Distance

$$\text{POL}((-7517.48 + 7317.28), (-8936.51 + 8936.69))$$

$$= (\text{Distance}) \text{ RLC F} \Rightarrow \text{Bearings}$$

$$\text{POL}(-200.2, 0.12) = \boxed{200.20} \text{ RLC F}$$

$\boxed{179^\circ 57' 56''}$