

10 A Ramal La Quemada Ruta Puntos X Y

| Vértice | X | Y | Angulo | Distancia Acumulada (m) |
|----------------|------------|--------------|---------------|--------------------------------|
| 0 | 286,190.04 | 2,365,848.67 | 207.91 | 0.00 |
| 1 | 286,181.96 | 2,365,833.42 | 231.57 | 17.26 |
| 2 | 286,163.85 | 2,365,828.64 | 256.07 | 36.00 |
| 3 | 286,087.58 | 2,365,810.92 | 246.92 | 114.30 |
| 4 | 286,078.58 | 2,365,805.06 | 218.55 | 125.03 |
| 5 | 286,072.52 | 2,365,788.56 | 193.14 | 142.61 |
| 6 | 285,947.68 | 2,364,620.62 | 193.89 | 1,317.20 |
| 7 | 285,937.21 | 2,364,594.29 | 208.83 | 1,345.54 |
| 8 | 285,872.62 | 2,364,505.33 | 223.63 | 1,455.48 |
| 9 | 285,853.75 | 2,364,490.21 | 244.09 | 1,479.66 |
| 10 | 285,396.19 | 2,364,383.70 | 252.64 | 1,949.45 |
| 11 | 285,371.58 | 2,364,373.95 | 227.05 | 1,975.92 |
| 12 | 285,362.62 | 2,364,355.35 | 199.56 | 1,996.56 |
| 13 | 285,304.20 | 2,364,110.14 | 199.45 | 2,248.63 |
| 14 | 284,949.88 | 2,363,367.02 | 197.11 | 3,071.90 |
| 15 | 284,891.01 | 2,362,983.23 | 203.93 | 3,460.18 |
| 16 | 284,869.44 | 2,362,956.72 | 227.04 | 3,494.36 |
| 17 | 284,832.65 | 2,362,930.91 | 238.65 | 3,539.30 |
| 18 | 284,282.75 | 2,362,642.80 | 231.39 | 4,160.11 |
| 19 | 284,260.52 | 2,362,616.71 | 210.15 | 4,194.38 |
| 20 | 284,248.45 | 2,362,583.32 | 190.97 | 4,229.89 |
| 21 | 284,247.97 | 2,362,569.92 | 177.93 | 4,243.29 |
| 22 | 284,266.10 | 2,362,403.78 | 179.58 | 4,410.42 |
| 23 | 284,262.48 | 2,362,365.39 | 189.39 | 4,448.98 |
| 24 | 284,252.82 | 2,362,324.77 | 195.77 | 4,490.74 |
| 25 | 284,108.91 | 2,361,885.88 | 200.12 | 4,952.61 |
| 26 | 284,103.01 | 2,361,871.34 | 205.27 | 4,968.31 |
| 27 | 284,095.14 | 2,361,856.83 | 212.27 | 4,984.82 |
| 28 | 284,048.01 | 2,361,792.11 | 210.88 | 5,064.88 |
| 29 | 283,904.70 | 2,361,494.23 | 211.53 | 5,395.44 |
| 30 | 283,874.15 | 2,361,454.22 | 192.94 | 5,445.77 |
| 31 | 283,909.08 | 2,361,282.28 | 221.59 | 5,621.23 |
| 32 | 283,669.65 | 2,361,301.84 | 261.56 | 5,861.45 |
| 33 | 283,640.34 | 2,361,290.27 | 232.10 | 5,892.97 |
| 34 | 283,619.09 | 2,361,260.76 | 209.95 | 5,929.33 |
| 35 | 283,410.80 | 2,360,796.26 | 199.92 | 6,438.39 |
| 36 | 283,303.25 | 2,360,413.32 | 193.58 | 6,836.14 |
| 37 | 283,261.79 | 2,360,209.01 | 209.00 | 7,044.61 |
| 38 | 283,242.46 | 2,360,190.69 | 239.03 | 7,071.25 |
| 39 | 283,211.17 | 2,360,180.23 | 255.98 | 7,104.25 |
| 40 | 282,943.62 | 2,360,135.13 | 275.94 | 7,375.56 |
| 41 | 282,923.79 | 2,360,142.93 | 297.45 | 7,396.88 |
| 42 | 282,893.46 | 2,360,162.96 | 286.95 | 7,433.22 |
| 43 | 282,752.83 | 2,360,164.08 | 251.28 | 7,573.86 |
| 44 | 282,729.67 | 2,360,146.06 | 219.96 | 7,603.20 |
| 45 | 282,715.60 | 2,360,119.39 | 200.81 | 7,633.35 |
| 46 | 282,697.39 | 2,360,045.32 | 198.62 | 7,709.63 |
| 47 | 282,624.03 | 2,359,875.96 | 225.00 | 7,894.20 |
| 48 | 282,567.49 | 2,359,851.46 | 245.68 | 7,955.82 |
| 49 | 282,533.04 | 2,359,835.24 | 242.02 | 7,993.90 |
| 50 | 281,887.78 | 2,359,451.60 | 236.78 | 8,744.59 |

10 A Ramal La Quemada Ruta Puntos X Y

| Vértice | X | Y | Angulo | Distancia Acumulada (m) |
|----------------|------------|--------------|---------------|--------------------------------|
| 51 | 281,708.26 | 2,359,322.57 | 229.83 | 8,965.67 |
| 52 | 281,691.43 | 2,359,305.96 | 211.34 | 8,989.32 |
| 53 | 281,669.42 | 2,359,235.33 | 192.74 | 9,063.29 |
| 54 | 281,652.48 | 2,359,117.20 | 186.01 | 9,182.63 |
| 55 | 281,640.45 | 2,358,938.72 | 186.54 | 9,361.52 |
| 56 | 281,635.24 | 2,358,906.67 | 196.55 | 9,393.99 |
| 57 | 281,535.96 | 2,358,682.38 | 191.97 | 9,639.27 |
| 58 | 281,535.92 | 2,358,642.08 | 188.05 | 9,679.56 |
| 59 | 281,532.66 | 2,358,630.72 | 198.54 | 9,691.39 |
| 60 | 281,501.65 | 2,358,550.12 | 204.44 | 9,777.75 |
| 61 | 281,372.92 | 2,358,306.47 | 204.88 | 10,053.31 |
| 62 | 281,212.60 | 2,357,907.71 | 196.72 | 10,483.09 |
| 63 | 281,190.12 | 2,357,797.59 | 197.33 | 10,595.48 |
| 64 | 281,125.06 | 2,357,645.27 | 194.82 | 10,761.12 |
| 65 | 281,106.93 | 2,357,486.35 | 190.95 | 10,921.07 |
| 66 | 281,056.46 | 2,357,302.99 | 196.43 | 11,111.25 |
| 67 | 280,986.43 | 2,357,080.51 | 197.47 | 11,344.49 |