



1. What is the elevation of the midpoint of line AB ?
2. If the grade from A to B is -5.432% and the station at A is 5+67.89, what is the station at B ?
3. What is the horizontal distance in stations from B to the point with elevation 2345.67 on line AB ?
4. If it is exactly 1.25 miles from B to C, what is the percent grade along this line ?
5. What is the elevation at the point 3000.00 feet (horizontally) from C on line BC ?
6. How far is it in stations from A to C ?
7. What zenith angle would be equivalent to -5.432% ?
8. What is the zenith angle to line BC at B ?