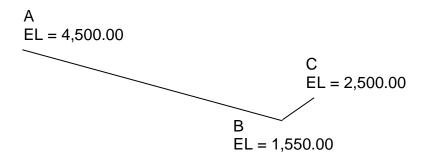
Key



1. What is the elevation of the midpoint of line AB?

3025.00 feet

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?

548+75.70

3. What is the horizontal distance in stations from B to the point with elevation 2,345.67 on line AB?

146.4783 stations

4. If it is exactly 1.25 miles from B to C, what is the percent grade along this line?

14.394%

5. What is the elevation at the point 3000.00 feet (horizontally) from C on line BC?

2068.18 feet

6. How far is it in stations from A to C?

609.0781 stations

7. What zenith angle would be equivalent to -5.432%?

93°06'33"

8. What is the zenith angle to line BC at B?

81°48'33"