

- 1. What is the elevation of the midpoint of line AB?
- 2. If the grade from A to B is -4.321% and the station at A is 4+56.78, what is the station at B?
- 3. What is the horizontal distance in stations from B to the point with elevation 3456.78 on line AB?
- 4. If it is exactly 1.5 miles from B to C, what is the percent grade along this line?
- 5. What is the elevation at the point 3500.00 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 -4.321%?
- 8. What is the zenith angle to line BC at B?