**Quiz**

Given below the measurements obtained using a Theodolite. All distance measurements are in meters.

**Station Point Azimuth VA (degrees) SD t (r2) I.H.**

 A B 342 o 20' 3 208.74 1.73 1.60

 C 70 o 45' -5 410.90 1.78

 D 130 o 15' 3 302.82 1.52

1. Find the elevation of point C giving the elevation of point B to be xxx.xx m. (8%)
2. Find the slope distance of CD (12%)