

Stratum:- A layer/plane of ore which has uniform thickness and is usually inclined in the earth's crust.

Outcrop:- The point at which a section of the stratum of ore lies at above the surface of the ground.

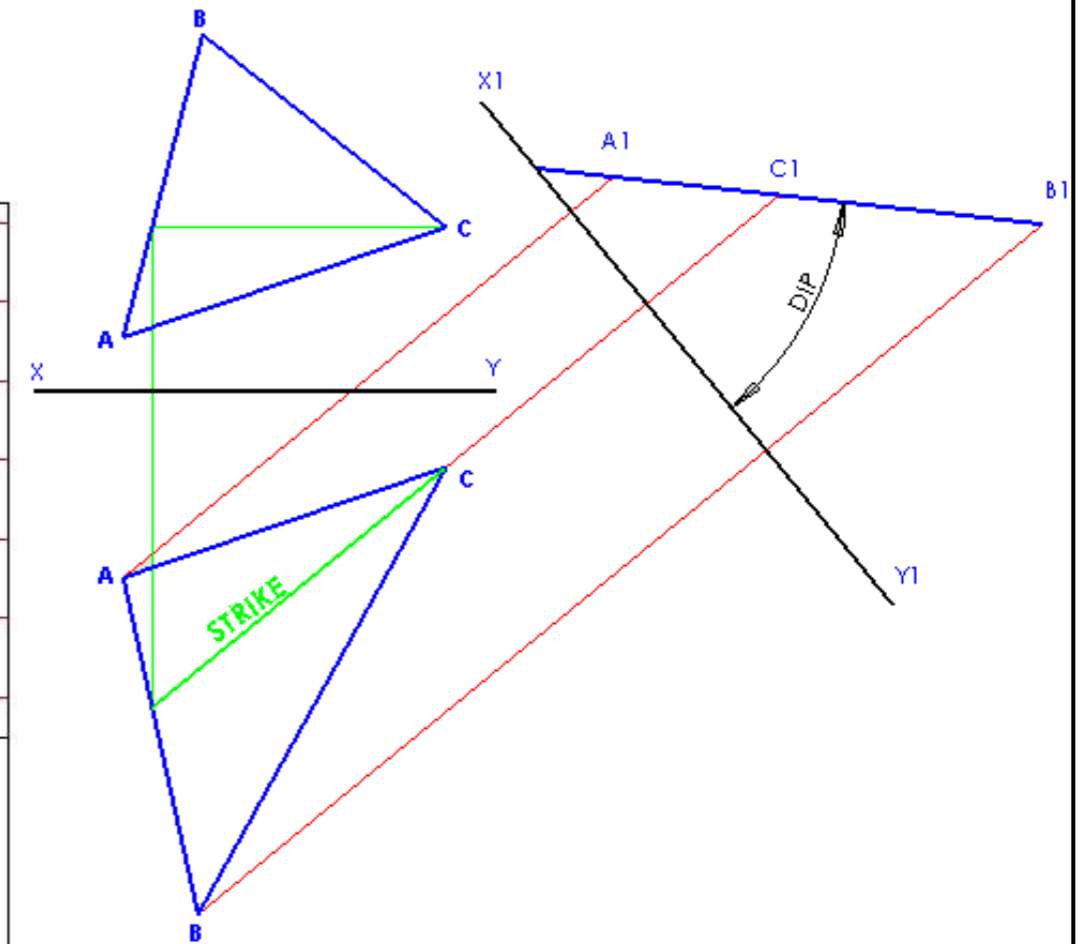
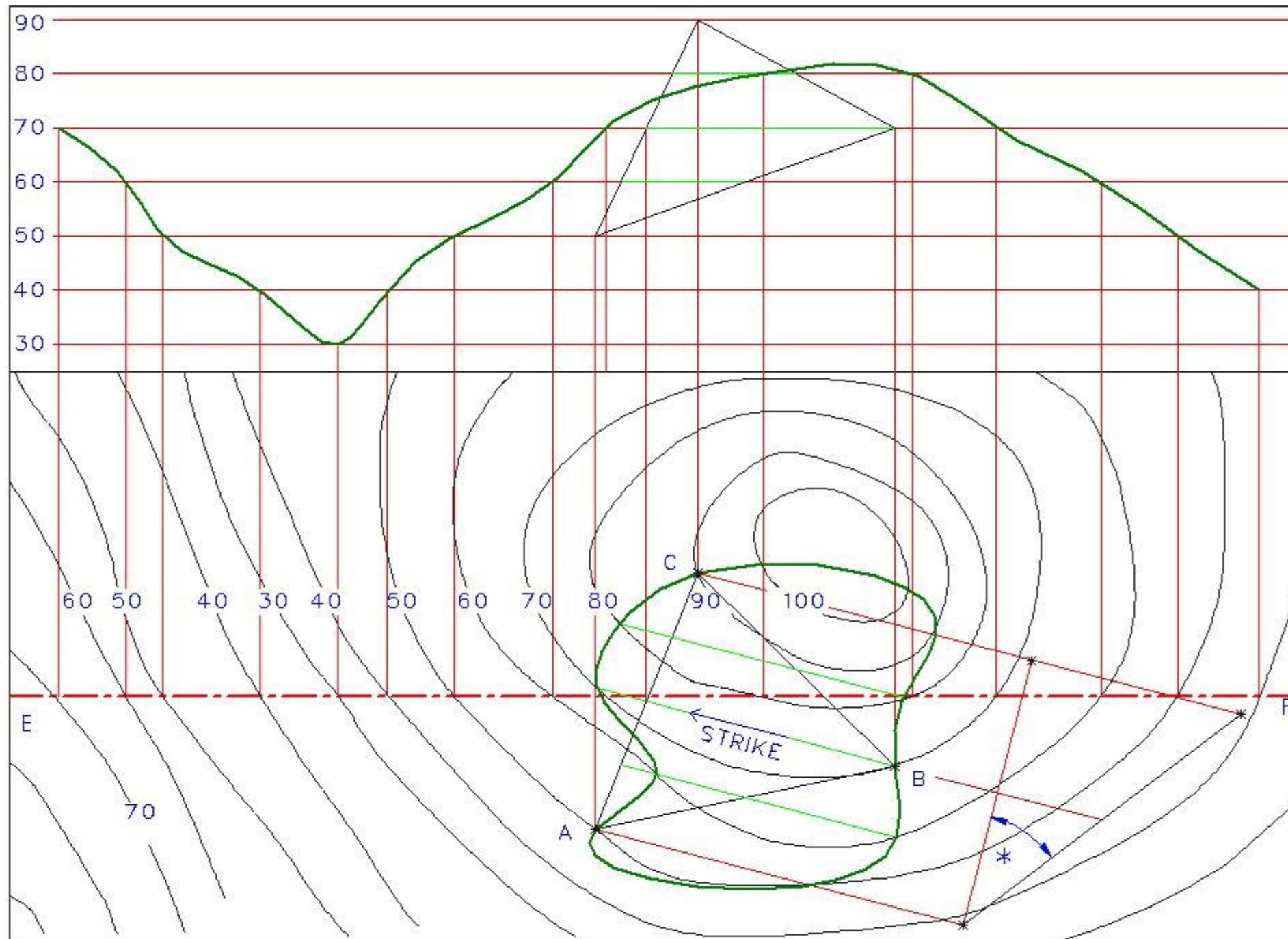
Dip:- The angle a stratum makes with the horizontal projection plane.

Strike:- The direction of a horizontal line on the stratum measured relative to North.

MINING 1

The accompanying drawing shows ground contours at ten-metre intervals on a map.

- (a) In the space provided draw a vertical section (profile) on the line EF.
- (b) A, B and C are outcrop points on a stratum of ore. Determine the dip and strike of the stratum.
- (c) Draw the complete outline of the outcrop.



Problem:- Determine the inclination of the plane ABC to the Horizontal Plane (DIP).