

### MINING 5

The accompanying drawing shows the outline of two skew bore-holes drilled from A and B. The bore-hole at A has an actual inclination of  $50^\circ$  to the horizontal plane. It reveals the top and bottom surfaces of a stratum at altitudes of 80m and 15m, respectively.

The bore-hole at B has an actual inclination of  $70^\circ$  to the horizontal plane. It reveals the top and bottom surfaces of a stratum at altitudes of 60m and 30m, respectively.

- (a) Determine the dip, strike and thickness of the stratum
- (b) Determine the apparent dip of the stratum for a southerly direction.

