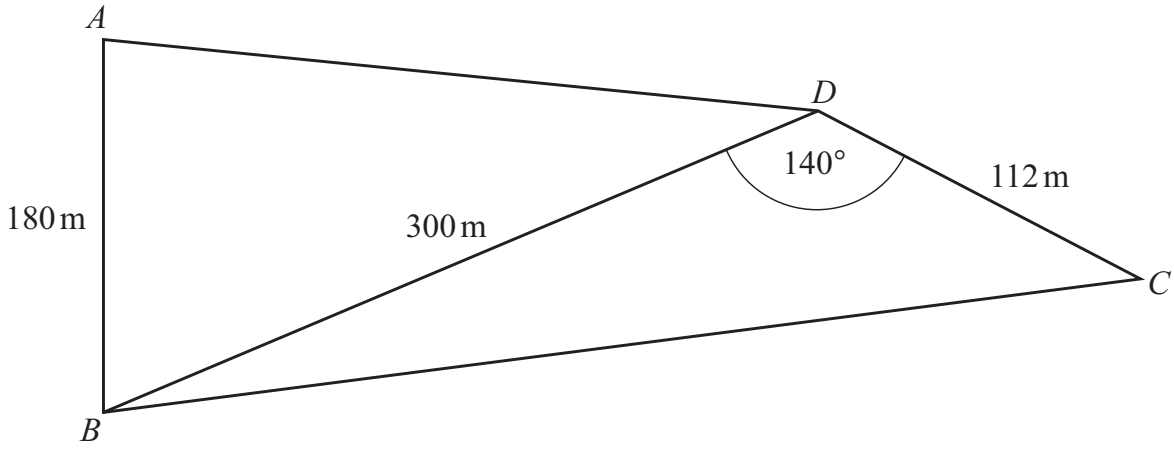
15



NOT TO SCALE

The diagram shows a field, *ABCD*, in the shape of a quadrilateral.
BD is a straight path across the field.

(a) Calculate *BC*.

BC = ... m [3]

(b) Calculate angle *DBC*.

Angle *DBC* = ... [3]

(c) The total area of the field, *ABCD*, is 35 900 m^2.

Work out the length of the shortest distance from *D* to *AB*.

..... m [4]