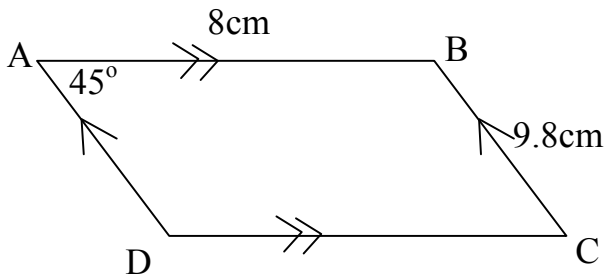


## Review

Given



a) Find the area of ABCD

b) Find the length of BD

## U7 – Trigonometry – Non-Right Triangles

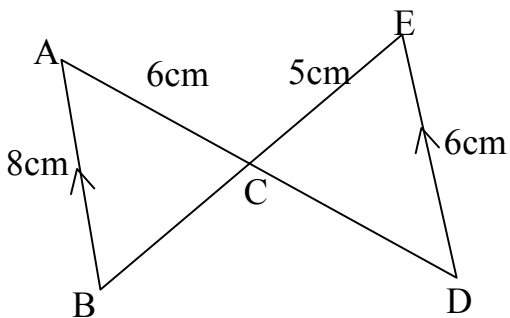
### U7L1 – 6.2 – Similar Triangle Models

Students will solve problems using non-right similar triangles.

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### Examples

1. Find the unknown lengths:



2. Mark is making a kite from a 2:25 scale drawing. If the area of the scale drawing is  $.0025\text{m}^2$ , how much fabric will Mark need to cover his kite?

Note: The ratio of the areas is the square of the ratio of the side lengths.

3. On a scale map, it is 3.5cm from the tomb of King Tut to the tomb of Hatshepsut. The actual distance is 262.5m. On the map, it is 5cm from the tomb of Hatshepsut to the tomb of Rameses VII. What is the actual distance?