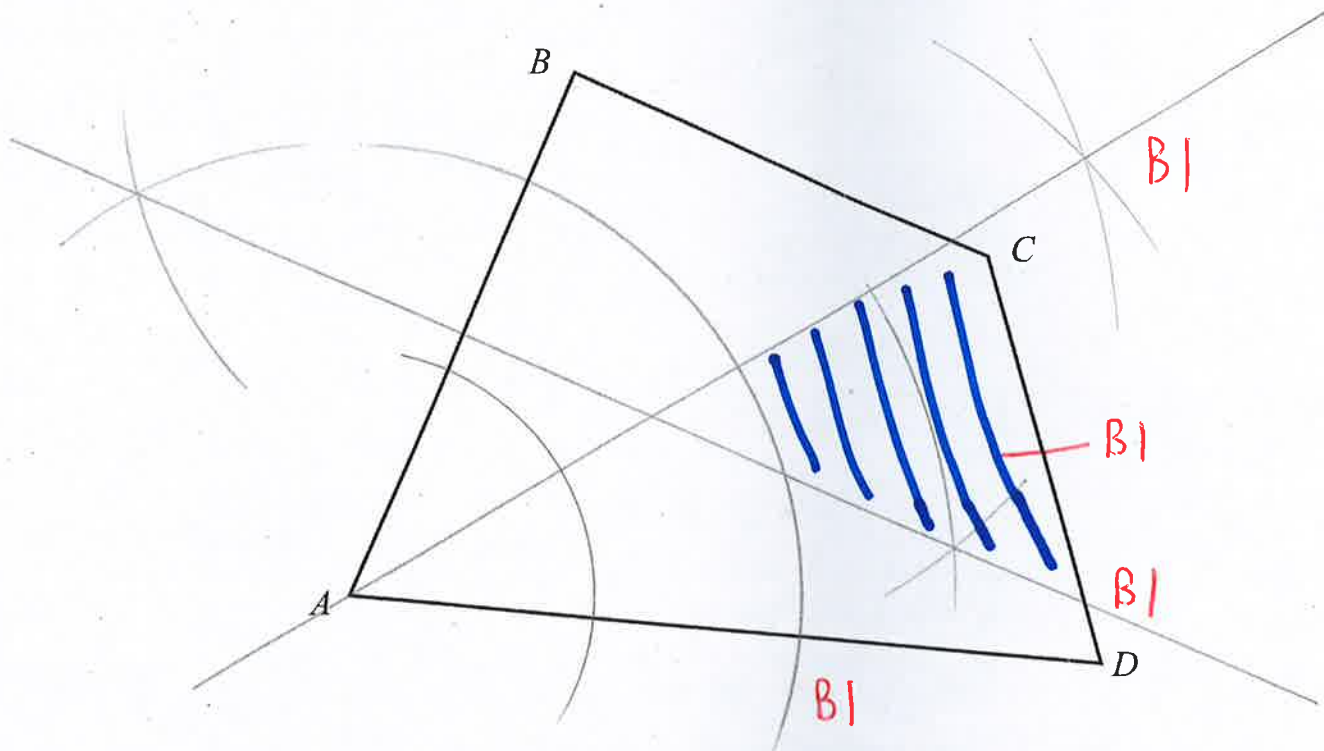


- 16 The diagram represents a plot of land,  $ABCD$ . The police is looking for a robber hiding in the land.

Scale: 1 cm represents 1 km



Here are the accounts from three witnesses:

Witness 1: The robber is located more than 6 km away from  $A$ .

Witness 2: The robber is located nearer to  $B$  than  $A$ .

Witness 3: The robber is located nearer to  $AD$  than  $AB$ .

**Shade** the region where the robber is hiding.

[4]

(c) Complete the distance-time graph of the particle.

[1]

