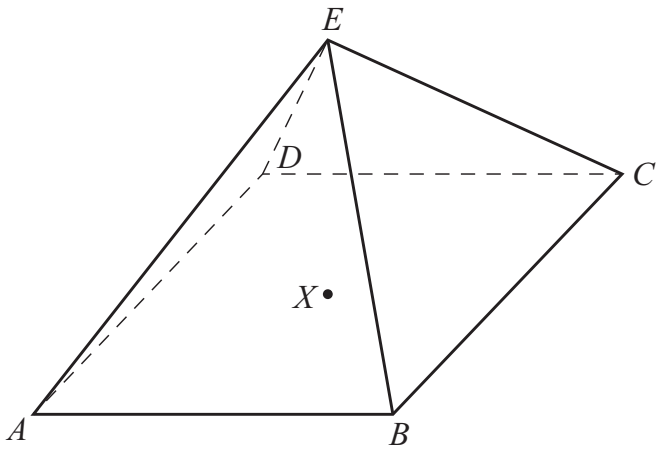
1. Question | 4024 Oct-Nov 2025 P1 V2 Q23

23



NOT TO SCALE

The diagram shows a square-based pyramid.
X is the centre of the square base.

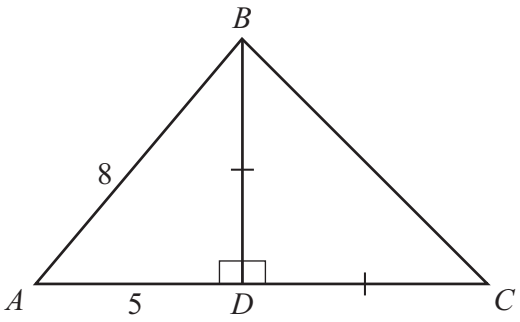
Vertex E is vertically above X and $EX = 7$ cm.
The perpendicular height of triangle BEC is 11 cm.

Work out the length of the base of the pyramid.
Give your answer as a surd in its simplest form.

..... cm [4]

2. Question | 4024 May-June 2026 P1 V3 Q10

10 ABC is a triangle.



NOT TO SCALE

D lies on AC and angle BDA = angle BDC = 90°.
AB = 8 cm, AD = 5 cm and BD = CD.

Work out the area of triangle BCD.

..... cm^2 [5]