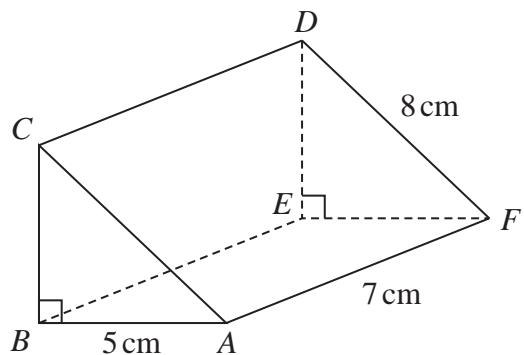


5

Diagram NOT
accurately drawn**Figure 2**

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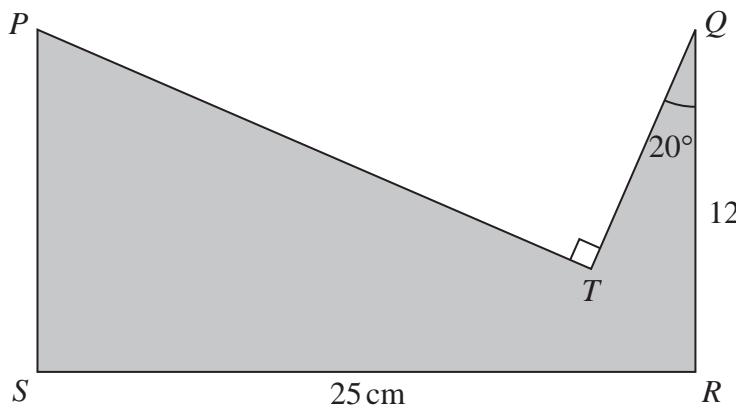
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Figure 2 shows right triangular prism $ABCDEF$

$$AB = 5 \text{ cm} \quad DF = 8 \text{ cm} \quad AF = 7 \text{ cm} \quad \angle CBA = 90^\circ$$

- (a) Calculate the volume, in cm^3 to the nearest whole number, of the triangular prism.

(4)

Diagram NOT
accurately drawn**Figure 3**Figure 3 shows a shaded shape made by removing triangle PTQ from rectangle $PQRS$

$$QR = 12 \text{ cm} \quad SR = 25 \text{ cm} \quad \angle PTQ = 90^\circ \quad \angle TQR = 20^\circ$$

- (b) Calculate the perimeter, in cm to the nearest whole number, of the shaded shape.

(4)



Question 5 continued

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P 7 2 4 8 0 A 0 1 3 3 6

Question 5 continued

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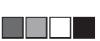


Question 5 continued

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(Total for Question 5 is 8 marks)