

6

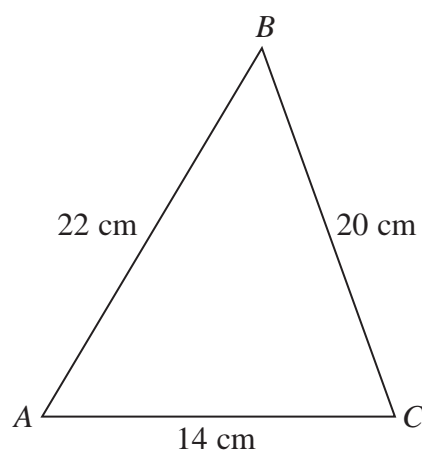


Diagram **NOT**
accurately drawn

Figure 1

Figure 1 shows $\triangle ABC$ with $AB = 22$ cm, $AC = 14$ cm and $BC = 20$ cm.

(a) Find, to 3 decimal places, the size of each of the three angles of $\triangle ABC$.

(5)

The bisector of angle BAC meets BC at P .

(b) Find, in cm to 3 significant figures, the length of AP .

(3)

(c) Find, to the nearest cm^2 , the area of $\triangle ABC$.

(2)





Question 6 continued

(Total for Question 6 is 10 marks)

