| 4 | A triangle ABC has sides $AB = 5 \text{ cm}$, $AC = 9 \text{ cm}$ and $BC = 10 \text{ cm}$. | | |
|---|---|---|-----|
| | (a) | Find the cosine of angle BAC, giving your answer as a fraction in its lowest terms. | [2] |
| | (b) | Find the exact area of the triangle. | [3] |