Answer all TEN questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

Given that $\frac{a - \sqrt{48}}{\sqrt{3} + 1}$ can be written in the form $b\sqrt{3} - 9$ where a and b are integers,

find the value of a and the value of bShow your working clearly.

(4)

(Total for Question 1 is 4 marks)

