16 (a) Rationalise the denominator of $\dfrac{35}{\sqrt{7}}$

Give your answer in its simplest form.

....

(2)

$\dfrac{\sqrt{27} - 1}{2 - \sqrt{3}}$ can be written in the form $a + b\sqrt{3}$ where a and b are integers.

(b) Work out the value of a and the value of b.

$a =$ ....

$b =$ ....

(4)