

3

By rationalising the denominator, simplify

$$\frac{4}{2 + \sqrt{n}}$$

where $n \geq 0$ and $n \neq 4$

Circle your answer.

[1 mark]

$$\frac{8 - 4\sqrt{n}}{4 - n}$$

$$\frac{8 + 4\sqrt{n}}{4 - n}$$

$$\frac{8 - 4\sqrt{n}}{4 + n}$$

$$\frac{8 + 4\sqrt{n}}{4 + n}$$