

4**DR**

$$\frac{\sqrt{11}-\sqrt{10}}{11-10} + \frac{\sqrt{12}-\sqrt{11}}{12-11} + \frac{\sqrt{13}-\sqrt{12}}{13-12}$$

$$\sqrt{13}-\sqrt{10}$$

$$\frac{3}{\sqrt{10}+\sqrt{13}} = \frac{3(\sqrt{13}-\sqrt{10})}{13-10} = \sqrt{13}-\sqrt{10} \text{ [hence}$$

the two expressions are equal]

M1**3.1a**

Rationalising denominators, allow one error

A1**1.1****E1****2.4**

Convincing completion

[3]