

$$\frac{m-1}{\sqrt{m+1}} = \frac{\sqrt{m-1} \sqrt{m+1}}{\sqrt{m+1}} = \sqrt{m-1}$$

$$\frac{a-1}{\sqrt{a+3}-2} = \frac{(\sqrt{a+3}-2)(\sqrt{a+3}+2)}{\sqrt{a+3}-2} = \sqrt{a+3}+2$$

$$\frac{a^2-2a}{2+\sqrt{a+2}} = \frac{a(a-2)}{2+\sqrt{a+2}} = \frac{a(\sqrt{a+2}-2)(\sqrt{a+2}+2)}{2+\sqrt{a+2}} = a(\sqrt{a+2}-2)$$

$$\begin{aligned} \frac{x^2-9}{2-\sqrt{x+1}} &= \frac{(x+3)(x-3)}{2-\sqrt{x+1}} = \frac{(x+3)(\sqrt{x+1}-2)(\sqrt{x+1}+2)}{2-\sqrt{x+1}} \\ &= -(x+3)(\sqrt{x+1}+2) \end{aligned}$$

$$(\sqrt{8}-\sqrt{50})\sqrt{2} = \sqrt{16}-\sqrt{100} = 4-10 = -6$$

$$\begin{aligned} (4\sqrt{5}-3\sqrt{20})\sqrt{5} &= 4\sqrt{25}-3\sqrt{100} = \\ &= 4 \cdot 5 - 3 \cdot 10 = 20-30 = -10 \end{aligned}$$

$$(\sqrt{12}-\sqrt{75})\sqrt{3} = \sqrt{36}-\sqrt{225} = 6-15 = -9$$

$$(7\sqrt{3}+\sqrt{27})\sqrt{3} = 7 \cdot 3 + \sqrt{81} = 21+9 = 30$$