2.3 Dividing Radicals → II

Rationalize the Denominator Laction of in the denominator)

ex.1
$$\frac{6}{\sqrt{2}} \times \sqrt{\frac{\sqrt{2}}{2}} = \frac{6\sqrt{2}}{2} = 3\sqrt{2}$$

2.
$$\frac{5}{2\sqrt{5}} \times \frac{\sqrt{5}}{\sqrt{5}} = \frac{5\sqrt{5}}{2(5)} = \frac{5\sqrt{5}}{\sqrt{0}} + \frac{\sqrt{5}}{2}$$

3.
$$\frac{(4+2\sqrt{7})}{\sqrt{3}} \times \frac{\sqrt{3}}{\sqrt{3}} = \frac{4\sqrt{3}+2\sqrt{21}}{3}$$

$$\frac{4}{8}\sqrt{3} + 2\sqrt{7} = 4\sqrt{3} + \sqrt{7}$$

$$a+b$$
 conjugate $a-b$

$$1+\sqrt{3}$$

$$\sqrt{2}+5$$

4.
$$\frac{2}{2+\sqrt{2}} = \frac{4-2\sqrt{2}}{4-2\sqrt{2}} = \frac{4-2\sqrt{2}}{4-2\sqrt{2}} = \frac{2}{2\sqrt{2}} = \frac{2}{2\sqrt{$$

$$= 2 - \sqrt{2}$$

5.
$$\frac{(5+\sqrt{3})}{(\sqrt{3}+1)} \times \frac{(\sqrt{3}+1)}{(\sqrt{3}+1)} = \frac{5\sqrt{3}+5+3+\sqrt{3}}{3(\sqrt{3}+3)-1} = \frac{3(\sqrt{3}+8)^{4}}{2(\sqrt{3}+1)}$$

p/22# 6,9,10, 13a(i,ii)