④ $(\sqrt{27} - \sqrt{6}) \div \sqrt{3} = \sqrt{9} - \sqrt{2}$

$$= 3 - \sqrt{2}$$

⑤ $\dfrac{\sqrt{7} + \sqrt{6}}{\sqrt{2}} = \dfrac{\sqrt{2}(\sqrt{7} + \sqrt{6})}{\sqrt{2} \times \sqrt{2}}$

$$= \dfrac{\sqrt{14} + \sqrt{12}}{2}$$

$$= \dfrac{\sqrt{14} + \sqrt{2 \times 2 \times 3}}{2}$$

$$= \dfrac{\sqrt{14} + 2\sqrt{3}}{2}$$

約分
できないよ

⑥ $\dfrac{\sqrt{8} - \sqrt{15}}{\sqrt{5}} = \dfrac{\sqrt{5}(\sqrt{8} - \sqrt{15})}{\sqrt{5} \times \sqrt{5}}$

$$= \dfrac{\sqrt{5} \times 2\sqrt{2} - \sqrt{5} \times \sqrt{15}}{5}$$

$$= \dfrac{2\sqrt{10} - 5\sqrt{1 \times 3}}{5}$$

$$= \dfrac{2\sqrt{10} - 5\sqrt{3}}{5}$$