

$$\begin{aligned}(7) \quad \frac{3\sqrt{2}}{2} + \frac{\sqrt{2}}{2} &= \frac{3\sqrt{2} + 1\sqrt{2}}{2} \\ &= \frac{2\cancel{4}\sqrt{2}}{2} \\ &= \underline{\underline{2\sqrt{2}}}\end{aligned}$$

$$\begin{aligned}(8) \quad \frac{\sqrt{5}}{3} - \frac{3\sqrt{5}}{4} &= \frac{4\sqrt{5}}{12} - \frac{3 \times 3\sqrt{5}}{12} \\ &= \frac{4\sqrt{5}}{12} - \frac{9\sqrt{5}}{12} \\ &= \frac{4\sqrt{5} - 9\sqrt{5}}{12} \\ &= \underline{\underline{-\frac{5\sqrt{5}}{12}}}\end{aligned}$$