

Divide Cont

$$\textcircled{1} \frac{5\sqrt{8}}{3\sqrt{6}} = \frac{5\sqrt{4}}{3\sqrt{3}} = \frac{10}{3\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} = \boxed{\frac{10\sqrt{3}}{9}}$$

$$\textcircled{2} \frac{(4+2\sqrt{5})\sqrt{14}}{\sqrt{14}} = \frac{4\sqrt{14} + 2\sqrt{70}}{14} = \boxed{\frac{2\sqrt{14} + \sqrt{70}}{7}}$$

$$\textcircled{3} \frac{(4+\sqrt{5})\sqrt{8}}{2\sqrt{8}\sqrt{8}} = \frac{4\sqrt{8} + \sqrt{40}}{16} = \frac{4 \cdot 2\sqrt{2} + 2\sqrt{10}}{16} = \frac{8\sqrt{2} + 2\sqrt{10}}{16} = \boxed{\frac{4\sqrt{2} + \sqrt{10}}{8}}$$

$$\textcircled{4} \frac{(3\sqrt{3}+4)\sqrt{17}}{\sqrt{17}\sqrt{17}} = \boxed{\frac{3\sqrt{51} + 4\sqrt{17}}{17}}$$

$$\textcircled{5} \frac{\sqrt{3}+4}{\sqrt{12}} = \frac{(\sqrt{3}+4)\sqrt{3}}{2\sqrt{3}\sqrt{3}} = \boxed{\frac{3+4\sqrt{3}}{6}}$$