

WORKING WITH RADICALS

Simplify each radical expression, if possible:

① $(4\sqrt{2})^2$

② $(\sqrt{11})^2$

③ $(\sqrt{5})^3$

④ $(3\sqrt{2})(4\sqrt{2})$

⑤ $3\sqrt{2} + 4\sqrt{2}$

⑥ $3\sqrt{2} + 4\sqrt{3}$

⑦ $(2\sqrt{3})^4$

⑧ $5\sqrt{2} + 6\sqrt{8}$

⑨ $\sqrt{32}$

⑩ $(\sqrt{3} + \sqrt{5})^2$

⑪ $\frac{10}{\sqrt{2}}$

⑫ $\frac{10}{\sqrt{5} - \sqrt{3}}$

