

Name:

Date: Score:

Operations with Radicals

Simplify each expression

① $2\sqrt{6} - 2\sqrt{6}$

② $-3\sqrt{15} + 4\sqrt{15}$

③ $2\sqrt{6} - 2\sqrt{24}$

④ $\sqrt{24} + \sqrt{24} + \sqrt{54}$

⑤ $-\sqrt{7} - \sqrt{7}$

⑥ $\sqrt{88} - \sqrt{88}$

⑦ $13\sqrt{5} + 14\sqrt{5}$

⑧ $\frac{-4\sqrt{28}}{\sqrt{4}}$

⑨ $2\sqrt{8} - \sqrt{8}$

⑩ $-3\sqrt{12} + 3\sqrt{3} + 3\sqrt{20}$

⑪ $-3\sqrt{5} \cdot \sqrt{20}$

⑫ $-3\sqrt{9} - 3\sqrt{9} - 3\sqrt{9}$