

Name:
Period:
Date:

Adding and Subtracting Radicals WS

Add or Subtract (combine like terms).

① $5\sqrt{2} - 4\sqrt{2} + 3\sqrt{2}$

② $3\sqrt{5} + 7\sqrt{5} - 8\sqrt{5}$

③ $\sqrt{8} - \sqrt{2}$

④ $\sqrt{175} - 4\sqrt{7}$

⑤ $-8\sqrt{2} + 5\sqrt{2}$

⑥ $9\sqrt{7} - 2\sqrt{5} + 10\sqrt{7}$

Multiply and Simplify

⑦ $\sqrt{3xy} \cdot \sqrt{4xy}$

⑧ $\sqrt{2mn} \cdot \sqrt{6mn}$