# mobius

## Radicals - Adding and Subtracting - Simplification (Values Only)

**1**

$$\sqrt{44} + \sqrt{176}$$

Simplify the radical expressions to prepare for adding or subtracting

A $2\sqrt{11} + 4\sqrt{11}$

B $2\sqrt{12} + 4\sqrt{11}$

**2**

$$\sqrt{8} + \sqrt{32}$$

Simplify the radical expressions to prepare for adding or subtracting

A $3\sqrt{5} + 5$

B $2\sqrt{2} + 4\sqrt{2}$

**3**

$$\sqrt{63} - \sqrt{175}$$

Simplify the radical expressions to prepare for adding or subtracting

A $5\sqrt{9} - 5\sqrt{7}$

B $3\sqrt{7} - 5\sqrt{7}$

**4**

$$\sqrt{99} + \sqrt{176}$$

Simplify the radical expressions to prepare for adding or subtracting

A $3\sqrt{11} + \sqrt{7}$

B $3\sqrt{11} + 4\sqrt{11}$

**5**

$$\sqrt{125} + \sqrt{45}$$

Simplify the radical expressions to prepare for adding or subtracting

A $5\sqrt{5} + 3\sqrt{5}$

B $5\sqrt{5} + \sqrt{4}$

**6**

$$\sqrt{175} + \sqrt{112}$$

Simplify the radical expressions to prepare for adding or subtracting

A $5\sqrt{7} + 6\sqrt{9}$

B $5\sqrt{7} + 4\sqrt{7}$

**7**

$$\sqrt{63} + \sqrt{175}$$

Simplify the radical expressions to prepare for adding or subtracting

A $6\sqrt{3} + 5\sqrt{7}$

B $3\sqrt{7} + 5\sqrt{7}$

**8**

$$\sqrt{63} - \sqrt{112}$$

Simplify the radical expressions to prepare for adding or subtracting

A $3\sqrt{7} - 4\sqrt{7}$

B $3\sqrt{7} - 6\sqrt{3}$

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