# Radicals - Adding and Subtracting from Simplified (Values and Variables)

**1**

Add or subtract the radical expressions

$$q^2\sqrt{5} + 4q^2\sqrt{5}$$

| A | B |
|---|---|
| $5q^2\sqrt{5}$ | $5q^3\sqrt{5}$ |

**2**

Add or subtract the radical expressions

$$m\sqrt{3m} - 5m\sqrt{3m}$$

| A | |
|---|---|
| $-4m\sqrt{3m}$ | |

| B | |
|---|---|
| $2m\sqrt{3m} - 8m^3\sqrt{3m}$ | |

**3**

Add or subtract the radical expressions

$$3z\sqrt{3} - z\sqrt{3}$$

| A | B |
|---|---|
| $2z\sqrt{3}$ | $4z\sqrt{3}$ |

**4**

Add or subtract the radical expressions

$$3x^2\sqrt{2} + x^2\sqrt{2}$$

| A | B |
|---|---|
| $4x^2\sqrt{2}$ | $4x^2\sqrt{4}$ |

**5**

Add or subtract the radical expressions

$$\sqrt{3z} + 3\sqrt{3z}$$

| A | B |
|---|---|
| $4\sqrt{3z}$ | $\sqrt{3z}$ |

**6**

Add or subtract the radical expressions

$$\sqrt{11} + 5\sqrt{11}$$

| A | B |
|---|---|
| $4\sqrt{11}$ | $6\sqrt{11}$ |

**7**

Add or subtract the radical expressions

$$r^2\sqrt{2} - 4r^2\sqrt{2}$$

| A | B |
|---|---|
| $-3r^2\sqrt{2}$ | $5r^2\sqrt{2}$ |

**8**

Add or subtract the radical expressions

$$z^2\sqrt{11} - 5z^2\sqrt{11}$$

| A | |
|---|---|
| $-4z^2\sqrt{11}$ | |

| B | |
|---|---|
| $z\sqrt{14} - 6z^4\sqrt{10}$ | |