



Radicals - Adding and Subtracting (Values and Variables)

1

Simplify, then add or subtract the radical expressions

$$\sqrt{32} - \sqrt{2}$$

A

$$3$$

B

$$3\sqrt{2}$$

2

Simplify, then add or subtract the radical expressions

$$\sqrt{11} + \sqrt{99}$$

A

$$\sqrt{11}$$

B

$$4\sqrt{11}$$

3

Simplify, then add or subtract the radical expressions

$$\sqrt{125n} - \sqrt{5n}$$

A

$$4\sqrt{5n}$$

B

$$3\sqrt{5n}$$

4

Simplify, then add or subtract the radical expressions

$$\sqrt{44n} + \sqrt{11n}$$

A

$$3\sqrt{11n}$$

B

$$4\sqrt{11n}$$

5

Simplify, then add or subtract the radical expressions

$$\sqrt{5} - \sqrt{80}$$

A

$$2\sqrt{5}$$

B

$$-3\sqrt{5}$$

6

Simplify, then add or subtract the radical expressions

$$\sqrt{11} - \sqrt{44}$$

A

$$-1\sqrt{11}$$

B

$$\sqrt{11} - \sqrt{10}$$

7

Simplify, then add or subtract the radical expressions

$$\sqrt{45q^2} - \sqrt{5q^2}$$

A

$$4q^3\sqrt{8} - 4q^2\sqrt{5}$$

B

$$2q\sqrt{5}$$

8

Simplify, then add or subtract the radical expressions

$$\sqrt{7q^4} + \sqrt{112q^4}$$

A

$$6q^4\sqrt{4}$$

B

$$5q^2\sqrt{7}$$