



Radicals - Addition Under Squared Radical to Radical

1

Simplify the radical.

$$\sqrt{45 + 5}$$

A

$$5\sqrt{5}$$

B

$$7$$

C

$$5\sqrt{2}$$

D

$$1$$

2

Simplify the radical.

$$\sqrt{112 - 13}$$

A

$$3\sqrt{11}$$

B

$$6\sqrt{7}$$

C

$$\sqrt{10}$$

D

$$5\sqrt{9}$$

E

$$2\sqrt{11}$$

3

Simplify the radical.

$$\sqrt{75 - 3}$$

A

$$8$$

B

$$7$$

C

$$6\sqrt{2}$$

D

$$4$$

E

$$8\sqrt{2}$$

4

Simplify the radical.

$$\sqrt{10 + 2}$$

A

$$\sqrt{4}$$

B

$$2\sqrt{3}$$

C

$$4\sqrt{3}$$

D

$$\sqrt{5}$$

E

$$3\sqrt{2}$$

5

Simplify the radical.

$$\sqrt{35 + 28}$$

A

$$\sqrt{5}$$

B

$$5\sqrt{10}$$

C

$$3\sqrt{7}$$

D

$$6\sqrt{4}$$

E

$$\sqrt{9}$$

6

Simplify the radical.

$$\sqrt{290 - 38}$$

A

$$9\sqrt{3}$$

B

$$6\sqrt{8}$$

C

$$6\sqrt{7}$$

D

$$8\sqrt{4}$$

E

$$9\sqrt{5}$$

7

Simplify the radical.

$$\sqrt{31 + 49}$$

A

$$\sqrt{3}$$

B

$$\sqrt{4}$$

C

$$4\sqrt{5}$$

D

$$\sqrt{8}$$

8

Simplify the radical.

$$\sqrt{198 + 198}$$

A

$$5\sqrt{12}$$

B

$$5\sqrt{14}$$

C

$$8\sqrt{10}$$

D

$$3\sqrt{13}$$

E

$$6\sqrt{11}$$