



Radicals - Addition Under Squared Radical Plus Integer to Radical

1

Simplify the radical.

$$1 + \sqrt{439 - 43}$$

A

$1 + 3\sqrt{11}$

B

$1 + 4\sqrt{9}$

C

$1 + 6\sqrt{9}$

D

$1 + 6\sqrt{11}$

E

$1 + 5\sqrt{14}$

2

Simplify the radical.

$$4 + \sqrt{181 - 34}$$

A

$4 + 8$

B

$4 + 8\sqrt{3}$

C

$4 + 6\sqrt{3}$

D

$4 + 9\sqrt{5}$

E

$4 + 7\sqrt{3}$

3

Simplify the radical.

$$1 + \sqrt{137 - 12}$$

A

$1 + 3\sqrt{8}$

B

$1 + \sqrt{5}$

C

$1 + 8$

D

$1 + 5\sqrt{5}$

E

$1 + 5\sqrt{6}$

4

Simplify the radical.

$$4 + \sqrt{346 - 3}$$

A

$4 + 3\sqrt{5}$

B

$4 + 7\sqrt{7}$

C

$4 + 3\sqrt{4}$

D

$4 + 8\sqrt{4}$

E

$4 + 10\sqrt{3}$

5

Simplify the radical.

$$3 + \sqrt{107 + 145}$$

A

$3 + 6\sqrt{9}$

B

$3 + 2\sqrt{3}$

C

$3 + 8\sqrt{5}$

D

$3 + 2\sqrt{8}$

E

$3 + 6\sqrt{7}$

6

Simplify the radical.

$$3 + \sqrt{56 - 11}$$

A

$3 + 5\sqrt{3}$

B

$3 + 4$

C

$3 + 3\sqrt{5}$

D

$3 + 2\sqrt{7}$

E

$3 + \sqrt{2}$

7

Simplify the radical.

$$2 + \sqrt{165 - 37}$$

A

$2 + 10$

B

$2 + 5\sqrt{4}$

C

$2 + 4$

D

$2 + 8\sqrt{2}$

E

$2 + 4\sqrt{4}$

8

Simplify the radical.

$$1 + \sqrt{4 + 4}$$

A

$1 + 2\sqrt{2}$

B

$1 + 2$

C

$1 + \sqrt{5}$

D

$1 + 5$