

## mobius

## Radicals - Addition Under Squared Radical Plus Integer to Radical



1

Simplify the radical.

$$1 + \sqrt{20 + 30}$$

2 Simplify the radical.

$$1 + \sqrt{94 - 19}$$

$$igg|_{1+8\sqrt{4}}^{8}igg|_{1+5\sqrt{2}}^{8}igg|_{1+4\sqrt{4}}^{6}igg|_{1+7\sqrt{3}}^{8}igg|_{1+7\sqrt{5}}^{8}igg|_{1+6\sqrt{3}}^{6}igg|_{1+5\sqrt{3}}^{6}igg|_{1+8\sqrt{3}}^{6}$$

3

Simplify the radical.

$$2 + \sqrt{34 - 7}$$

4

Simplify the radical.

$$2 + \sqrt{119 - 20}$$

A 
$$2 + 3\sqrt{11}$$
 C  $2 + 4\sqrt{9}$ 

B 
$$2+\sqrt{7}$$

 $2 + 5\sqrt{11}$ 

E 
$$2+2\sqrt{7}$$

5

Simplify the radical.

$$3 + \sqrt{47 + 3}$$

6

Simplify the radical.

$$2 + \sqrt{18 + 10}$$

7

Simplify the radical.

$$2+\sqrt{62-14}$$

8

Simplify the radical.

$$4 + \sqrt{55 - 7}$$

$$\begin{bmatrix} 2 + 3\sqrt{3} & 2 + 5 & 2 + 4\sqrt{3} & 2 + 7\sqrt{2} & 2 + \sqrt{6} & 4 + 2\sqrt{3} & 4 + 4\sqrt{3} & 4 + \sqrt{4} & 4 + 2 \end{bmatrix}$$