



Math worksheet on 'Radicals - Addition Under Squared Radical Plus Integer to Radical (Level 1)'.
Part of a broader unit on 'Radicals - Simplifying Intro'

Learn online: app.mobius.academy/math/units/radicals_simplifying_intro/

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Simplify the radical.

$$1 + \sqrt{33 + 147}$$

a

$1 + 9\sqrt{4}$

b

$1 + 3\sqrt{5}$

c

$1 + 6\sqrt{6}$

d

$1 + 4$

e

$1 + 6\sqrt{5}$

2

Simplify the radical.

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

a

$1 + 8\sqrt{4}$

b

$1 + 7\sqrt{3}$

c

$1 + 4\sqrt{4}$

d

$1 + 5\sqrt{2}$

e

$1 + 5$

3

Simplify the radical.

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

a

$1 + 6\sqrt{3}$

b

$1 + 8\sqrt{3}$

c

$1 + 7\sqrt{5}$

d

$1 + 8$

e

$1 + 5\sqrt{3}$

4

Simplify the radical.

$$2 + \sqrt{297 - 45}$$

a

$2 + 5\sqrt{8}$

b

$2 + 6\sqrt{5}$

c

$2 + 6\sqrt{7}$

d

$2 + 6\sqrt{10}$

e

$2 + 2\sqrt{5}$

5

Simplify the radical.

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

a

$2 + 3\sqrt{3}$

b

$2 + 4$

c

$2 + 5$

d

$2 + \sqrt{6}$

6

Simplify the radical.

$$4 + \sqrt{430 - 34}$$

a

$4 + 2\sqrt{13}$

b

$4 + 5\sqrt{10}$

c

$4 + 6\sqrt{11}$

d

$4 + 7\sqrt{13}$

e

$4 + 3\sqrt{7}$

7

Simplify the radical.

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

a

$4 + 4\sqrt{3}$

b

$4 + 2$

c

$4 + \sqrt{4}$

d

$4 + 2\sqrt{3}$