

Solutions – Simplifying Surds (A)

Simplify $\sqrt{36}$

6

Simplify $\sqrt{76}$

$2\sqrt{19}$

Simplify $\sqrt{63}$

$3\sqrt{7}$

Simplify $\sqrt{72}$

$6\sqrt{2}$

Simplify $\sqrt{9}$

3

Simplify $\sqrt{45}$

$3\sqrt{5}$

Solutions – Simplifying Surds (B)

Simplify $\sqrt{99}$

$$3\sqrt{11}$$

Simplify $\sqrt{96}$

$$4\sqrt{6}$$

Simplify $\sqrt{24}$

$$2\sqrt{6}$$

Simplify $\sqrt{4}$

$$2$$

Simplify $\sqrt{36}$

$$6$$

Simplify $\sqrt{84}$

$$2\sqrt{21}$$

Solutions – Simplifying Surds (C)

Simplify $\sqrt{100}$

10

Simplify $\sqrt{92}$

$2\sqrt{23}$

Simplify $\sqrt{4}$

2

Simplify $\sqrt{40}$

$2\sqrt{10}$

Simplify $\sqrt{27}$

$3\sqrt{3}$

Simplify $\sqrt{48}$

$4\sqrt{3}$

Solutions – Simplifying Surds (D)

Simplify $\sqrt{12}$

$$2\sqrt{3}$$

Simplify $\sqrt{90}$

$$3\sqrt{10}$$

Simplify $\sqrt{16}$

$$4$$

Simplify $\sqrt{99}$

$$3\sqrt{11}$$

Simplify $\sqrt{56}$

$$2\sqrt{14}$$

Simplify $\sqrt{49}$

$$7$$

Solutions – Simplifying Surds (E)

Simplify $\sqrt{76}$

$$2\sqrt{19}$$

Simplify $\sqrt{18}$

$$3\sqrt{2}$$

Simplify $\sqrt{48}$

$$4\sqrt{3}$$

Simplify $\sqrt{75}$

$$5\sqrt{3}$$

Simplify $\sqrt{36}$

$$6$$

Simplify $\sqrt{49}$

$$7$$

Solutions – Simplifying Surds (F)

Simplify $\sqrt{44}$

$$2\sqrt{11}$$

Simplify $\sqrt{96}$

$$4\sqrt{6}$$

Simplify $\sqrt{75}$

$$5\sqrt{3}$$

Simplify $\sqrt{81}$

$$9$$

Simplify $\sqrt{20}$

$$2\sqrt{5}$$

Simplify $\sqrt{100}$

$$10$$

Solutions – Simplifying Surds (G)

Simplify $\sqrt{16}$

4

Simplify $\sqrt{52}$

$2\sqrt{13}$

Simplify $\sqrt{25}$

5

Simplify $\sqrt{76}$

$2\sqrt{19}$

Simplify $\sqrt{8}$

$2\sqrt{2}$

Simplify $\sqrt{56}$

$2\sqrt{14}$

Solutions – Simplifying Surds (H)

Simplify $\sqrt{25}$

5

Simplify $\sqrt{24}$

$2\sqrt{6}$

Simplify $\sqrt{72}$

$6\sqrt{2}$

Simplify $\sqrt{88}$

$2\sqrt{22}$

Simplify $\sqrt{98}$

$7\sqrt{2}$

Simplify $\sqrt{49}$

7

Solutions – Simplifying Surds (I)

Simplify $\sqrt{24}$

$2\sqrt{6}$

Simplify $\sqrt{36}$

6

Simplify $\sqrt{88}$

$2\sqrt{22}$

Simplify $\sqrt{32}$

$4\sqrt{2}$

Simplify $\sqrt{64}$

8

Simplify $\sqrt{90}$

$3\sqrt{10}$

Solutions – Simplifying Surds (J)

Simplify $\sqrt{60}$

$$2\sqrt{15}$$

Simplify $\sqrt{4}$

$$2$$

Simplify $\sqrt{12}$

$$2\sqrt{3}$$

Simplify $\sqrt{52}$

$$2\sqrt{13}$$

Simplify $\sqrt{16}$

$$4$$

Simplify $\sqrt{76}$

$$2\sqrt{19}$$