

## 4. Radicals and Surds

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### Radicals

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def:

radical - number that is written using the radical sign or  $\sqrt{\phantom{x}}$

Square root - written as  $\sqrt{a}$ , the positive solution of equation  $x^2 = a$ .  $\forall a$

irrational numbers - a real number which cannot be written as a fraction

### Simplest Radical Form

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simplest form - when the number under the radical sign is the smallest possible integer