

Unit 9 Vocabulary - Roots & Irrational Numbers

English / Espanol - with a tiny example for each term.

ENGLISH	ESPANOL	EXAMPLE / EJEMPLO
square root	raiz cuadrada	$\sqrt{9} = 3$
radical	radical	An expression under a root sign
radicand	radicando	The number under the root
simplest radical form	forma radical simple	$2\sqrt{3}$, not $\sqrt{12}$
perfect square	cuadrado perfecto	4, 9, 16, 25, ...
rational number	numero racional	A fraction: $\frac{3}{4}$, 0.75
irrational number	numero irracional	$\sqrt{2}$, π - never ends
like radicals	radicales semejantes	Same root: $2\sqrt{3}$, $5\sqrt{3}$
inverse operation	operacion inversa	Root undoes square
plus-or-minus (+-)	mas o menos	Squaring gives TWO roots
completing the square	completar el cuadrado	Half of b, squared
quadratic formula	formula cuadratica	$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$
discriminant	discriminante	$b^2 - 4ac$: how many roots
no real solution	sin solucion real	discriminant < 0
double root	raiz doble	discriminant $= 0$, one answer