Cheatography

Does R = Q in mathematics or what is R? Cheat Sheet by RayWilliams via cheatography.com/97589/cs/20908/

Does R = Q in mathematics or what is R?	the equation
R and Q are different sets of numbers - IR is the set of real numbers, Q is the set of rational numbers. Q contains all numbers that can be represented as a fraction of two integers. So about 5/2, 1/7, 12/89, etc. However, there are	the equation $x^2 - 42 = 0$ has no solution in Q, for example. The solution would be: $x \ = \ \pm \sqrt{4 \ 2}$
<pre>some numbers where this is not possible - for example, Pi. Pi is an irrational number (that is, it has infinitely many decimal places, the have no regularity as with periodic numbers). R contains the rational numbers and the irrational numbers. These are basically all numbers that you learn at school. Of course, there are even larger</pre>	rational number The root of 42 is also a rational number, so it can not be represented as a fraction of two integers. This is the same for all roots whose radicand (the number below the root) is not a square. Basically, R is just the next largest number after Q. It contains numbers that are not in Q (the irrational numbers) and is therefore the base set for most non-university mathematical calculations.
numbers than R, but that's usually enough.	

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