Cont	ents									
0.1	Reals or rationals for analysis									

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Why can't we use rationals for analysis?

If discontinous at not rational number, it can still be continous for all rationals.

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eg f(x)=-1 unless x^2>2, where f(x)=1

Continous for all rationals, because rationals dense in reals

But can't be differentiated