Math 10: Unit 2.3: Squares and Square Roots

* 1. Some definitions
  2. Power:

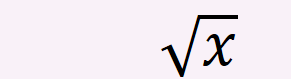
23

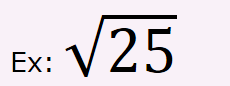
ii) What is a 'square number'?

x2

Ex: 72=

iii) describe 'square root'





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-numbers like are NOT rational square roots.

B)But there is a problem:

* 1. Know: 5x5=25
  2. But (-5)(-5) = 25 also,

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* 1. How to find square roots?

* + Use prime roots (like finding GCF earlier)

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* + Can we do square roots of negative numbers?

* + Not in grade 10.
  + C:\C978D0A5\C16D4C6F-D5AF-4034-B6C7-49F19EEC602D_files\image007.png

* + What are 'cubes'?



i) what are 'cube roots'?



ii) how to do 'cube roots'?

* + Same method as finding square roots…but now want 3 of the same numbers.

Ex:

Ex:

* + Can we do cubic roots of negative numbers?

-yes

Ex:

Pg 78 #1-4( left column), 5-10

-quiz next day on GCF, LCM, square roots