Khyle Calpe

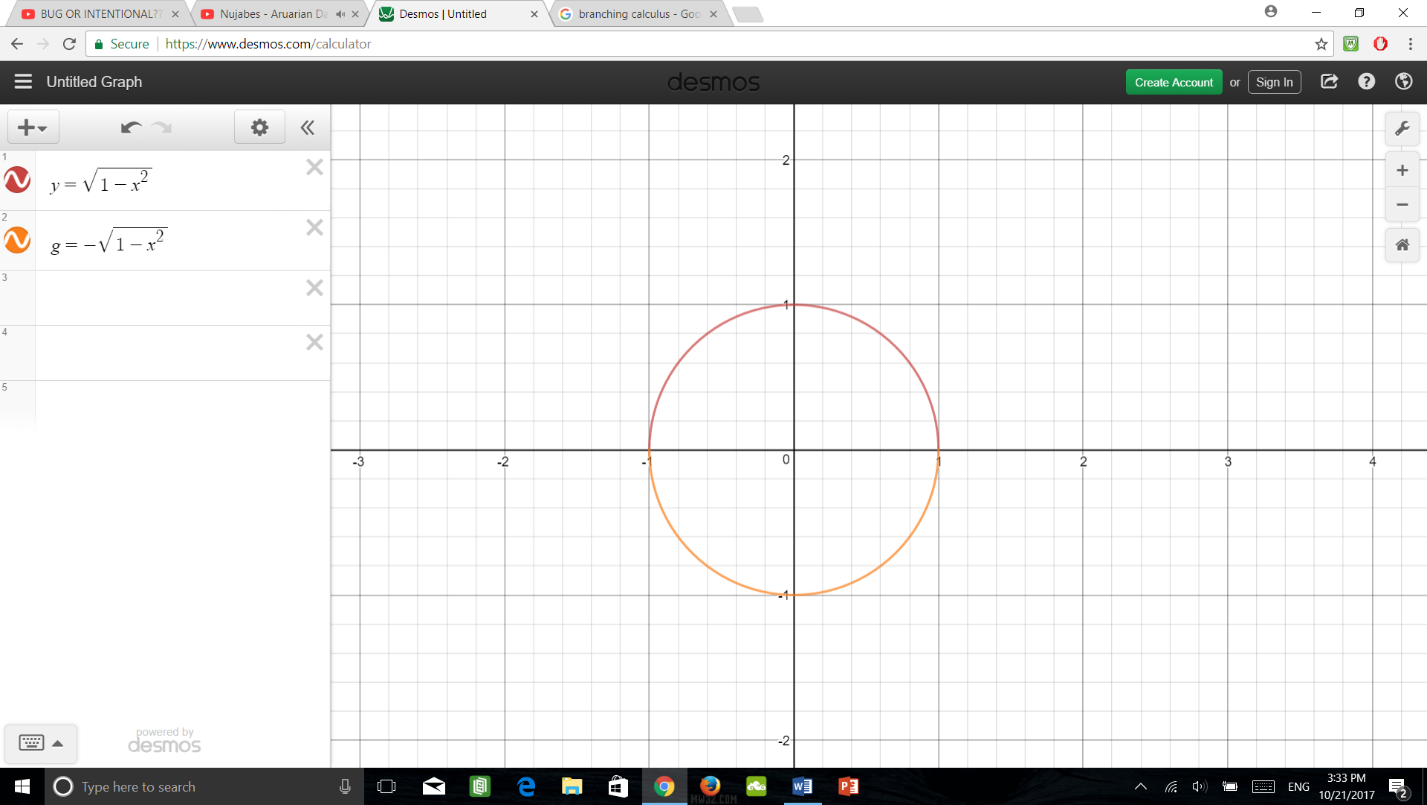
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Math 31A Lecture Notes: Branching

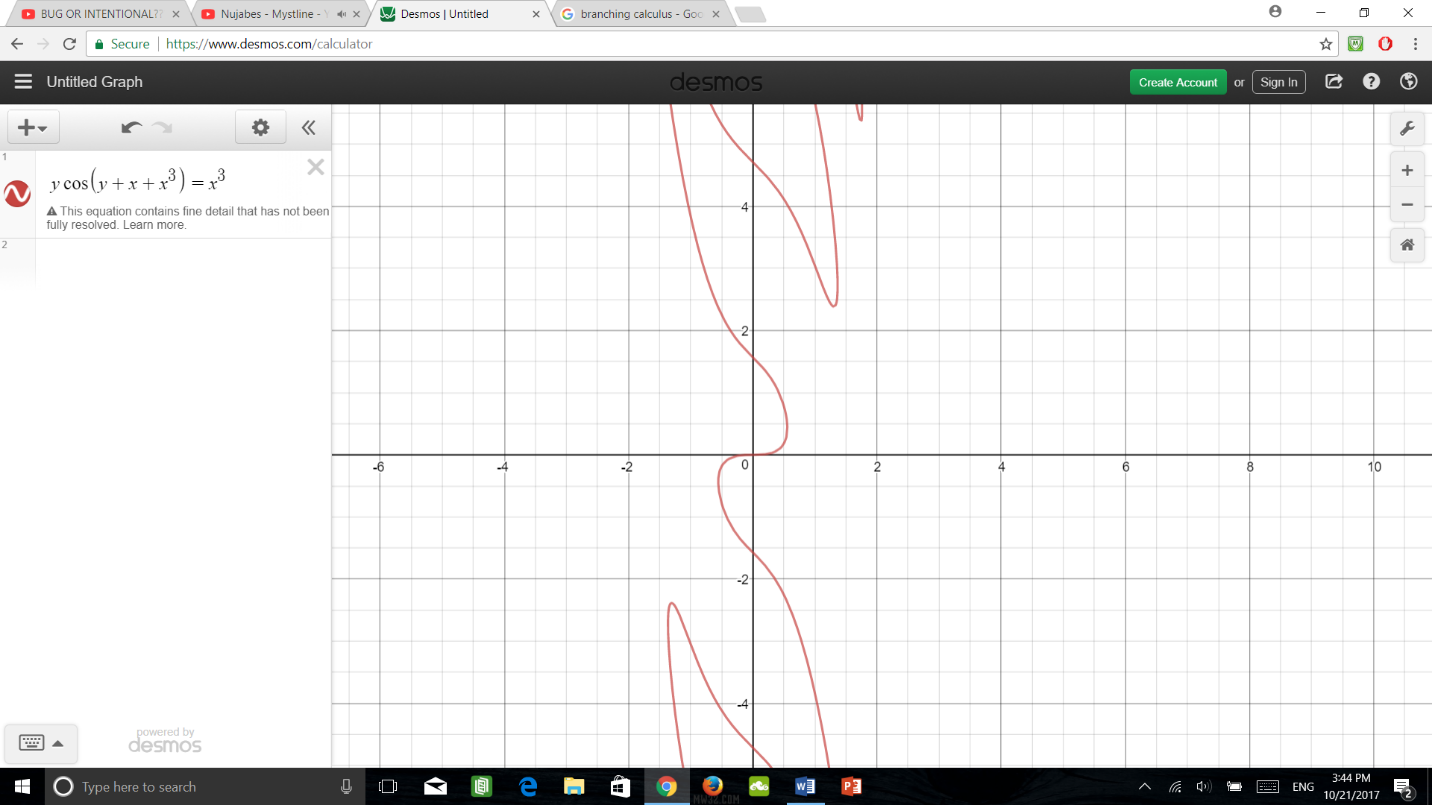
Chain Rule:

Branching:



For branch red:

Example 2: Compute for P(0,) for the curve given by



Step 1: Apply

Step2: Plug in P and then solve for

Hence,

Works with ; n times

Example 3: Find for (horizontal elipse)

Step 1: Compute

Step 1a: Apply to the equation:

Step 1b: Solve for

Step 2a: Apply to the equation

Step 2b: Plug in