How to use PenningNotes

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Contents

1 Introduction

1.1 test

Definition 1.1: The def of something

Introduce a new concept abc

Here you explain the concept

Does The Flint Hills series Converge?

$\sum_{n=1}^{\infty} \frac{1}{n^3 * sin^2(n)}$

This one has actually been left as an exercise to the writer.

remember to remember!

What am I to remember? Oh! That I forgot something!

How to do something

listen up youngins

Solve $y'' + 5y' + 6y$ equals zero

Write Characteristic	0	$= r^2 + 5r + 6$ $= (r+2)(r+3)$
Solve for r_1, r_2	r_1 r_2	$= -3$ $= -2$
Write General Solution	y	$= C_1 e^{-3t} + C_2 e^{-2t}$

definition within a box

Definition 1.2:

This is a concept	this is it's explanation $\mathbb{NQZ}$

this is its derivation

Definition 1.3: Test

one two three

Un numbered definition

An unnumbered definition	

Proof 1.1: $(\forall n \geq 3)(n \in Z)(x^n + y^n \neq z^n)$

This exercise is trivial and left as an exercise to the reader

Proof 1.2: $(\exists n \in Z)(x^2 + y^2 = z^2)$

This deceptively simple lemma has been unsolved for millennia. Don't bother attempting.