

JP'S PRECALCULUS: AN INTRODUCTION

GRADES, EMAIL AND LINK TO CLASS WEBSITE

<http://WEBCT.UTSA.EDU>

(CHECK YOUR EMAIL HERE DAILY)

WWW.MATHEMATICALRADICAL.ORG

WWW.TEXTPOTENTIAL.ORG

CLASS NOTES

VIDEO LECTURES AND TUTORIALS

TUTORIALS

OLD QUIZ AND EXAM SOLUTIONS

ANSWERS TO FREQUENTLY ASKED QUESTIONS

WHAT YOU MUST DO TO BE A SUCCESSFUL STUDENT

● ASK WHY!

WHY? IS THE QUESTION EVERY CHILD ASKS
REPEATEDLY!

● WHY ASK WHY?

TO LEARN AND TO UNDERSTAND

● WHY "UNDERSTAND" IT IF YOU ALREADY "KNOW" IT?

BECAUSE IT'S NOT WORTH KNOWING IF YOU
DON'T UNDERSTAND IT.

READING IS GREAT BUT WRITING IS BETTER.

MORE REASONS TO ASK WHY

- I COULD BE MISINFORMED.
 - SO COULD THE AUTHOR OF YOUR TEXTBOOK.
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- I COULD MIS-SPEAK.
 - YOUR TEXTBOOK COULD HAVE A TYPO.
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- I COULD LIE.
 - SO COULD THE AUTHOR OF YOUR TEXTBOOK.
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DON'T BELIEVE IT

UNLESS YOU UNDERSTAND IT

DON'T ACCEPT AN ANSWER TO A QUESTION UNLESS YOU UNDERSTAND WHY THAT IS THE ANSWER TO THAT QUESTION.

THE MOST IMPORTANT THING TO DO:
STUDY MATERIAL BEFORE COMING TO CLASS!

WHAT MATH IS NOT ABOUT

- MATH IS **NOT** ABOUT MEMORIZING FORMULAS.
 - MATH IS **NOT** ABOUT MEMORIZING THE "STEPS".
 - MATH IS **NOT** ABOUT MEMORIZING ANSWERS.
 - MATH IS **NOT** ONLY ABOUT NUMBERS (ARITHMETIC).
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WHAT MATH IS ABOUT

- MATH IS ABOUT CREATIVITY.
- MATH IS ABOUT CRITICAL THINKING.
- MATH IS ABOUT **FORMULATING THE RIGHT QUESTION**.
(NOT JUST ABOUT ANSWERING A GIVEN QUESTION)
((GOOGLE CAN DO THAT))
- MATH IS ABOUT PERSPECTIVE.
- MATH IS ABOUT ABSTRACT THOUGHT.
- MATH IS ABOUT PROBLEM SOLVING.
(NOT "PROBLEM KNOWING")

DO YOU NEED TO BE "LEFT BRAINED" OR
"RIGHT BRAINED" TO BE "GOOD" AT MATH?

BOTH. OTHERWISE YOU'RE A "HALF WIT."

WHEN WILL YOU EVER USE THIS STUFF?

- REGARDLESS OF YOUR MAJOR, YOU WILL USE WHAT YOU LEARN IN THIS CLASS EVERY MOMENT OF EVERY DAY FOR THE REST OF YOUR LIFE.
- CRITICAL THINKING SKILLS WILL MAKE YOUR THOUGHT PROCESSES MUCH STRONGER AND MORE EFFICIENT.
- YOU MAY NEVER USE THESE EQUATIONS DIRECTLY BUT THINK OF THESE EQUATIONS AND FORMULAS AS OUR "CRITICAL THINKING PLAYGROUND."
- THIS IS WHERE WE WILL PERFORM OUR "MENTAL CALISTINICS" AND STRENGTHEN OUR MINDS.
- A STRONG MIND IS UNIVERSALLY USEFUL.

WHEN FRUSTRATED, REMEMBER:

- WHEN YOU DON'T "GET IT", IT FEELS IMPOSSIBLE,
BUT ONCE YOU "GET IT", IT'S SIMPLE.

THERE IS NO IN BETWEEN.

- KEEP PUSHING (A LITTLE EACH DAY),
"GETTING IT" IS INCHES AWAY.
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