

How hard is the math in engineering? Yes, in engineering school the math sequence can be intense. Some of the classes will kick your butt. Suck it up! Every one of us have taken classes in which we “toughed it out.” For me, one of those classes was Financial Accounting.

What are the topics in Engineering Mathematics 1?

What is the subject of mathematical engineering? Mathematical engineering (or engineering mathematics) is a branch of applied mathematics, concerning mathematical methods and techniques that are typically used in engineering and industry.

What is engineering algebra? What is Algebra Engineering? A. Algebra Engineering involves the use of calculus and trigonometry to solve complex engineering problems. It models systems using mathematical methods such as derivatives and integrals.

How many people fail Calc 1? Calculus is a foundational mathematics course that is often seen as a bottleneck for STEM majors. However, it is also a course that is notorious for its high dropout rates. In the United States, for example, the average dropout rate for calculus is 30%. In Brazil it reaches 70% or higher.

What is the toughest chapter of engineering math? Integral Calculus, Differential Equations, Vector Algebra, Complex Numbers, Coordinate Geometry, Matrices and Determinants are considered the toughest chapters in Maths for JEE.

What is the hardest math in engineering degree? Fields like electrical, computer, or biomedical engineering often require the most advanced and complex mathematics, including calculus, differential equations, linear algebra, and probability.

Which is the easiest chapter in engineering math? Most easy chapters for Maths in JEE Main 2024 include Complex Numbers, Quadratic Equations, Trigonometry, Coordinate Geometry, Limits, Continuity and Differentiability, and Integral Calculus, among others.

What math is used most in engineering? Engineers use calculus to solve problems involving motion, growth, and change in various systems.

Is engineering mathematics calculus? The core mathematics courses for Engineering students are: MATH 1910: Calculus for Engineers. MATH 1920: Multivariable Calculus for Engineers. MATH 2930: Differential Equations or MATH 2940: Linear Algebra.

What branch of math do engineers use? You will need algebra in order to get an engineering degree, as you will need algebra, geometry, trigonometry, calculus, and an introduction to differential equations for a basic bachelor of science degree in the area of engineering that you are interested in.

Which branch of engineering is most mathematical? Electrical engineering is the most math heavy of the engineering disciplines. You rely heavily on differential equations when dealing with advanced circuit analysis and electromagnetism is basically a physics and math course. In a close second is mechanical engineering, which uses dynamics a lot.

What is engineering mathematics 1? The course consists of topics in differential calculus, integral calculus, linear algebra and differential equations with applications to various engineering problems. This course will cover the following main topics: Mean Value Theorems; Indeterminate Forms; Taylor's and Maclaurin's Theorems.

Is engineering a hard major? Many consider engineering majors some of the hardest majors. If you're thinking of pursuing an engineering degree, be aware of these high expectations. In addition to several hours of homework each week, engineering programs may require you to maintain a minimum GPA.

Why are engineers so good at math? Modeling and Analysis: Engineers use mathematical models to represent real-world systems, whether they are designing structures, optimizing processes, or simulating physical phenomena. Math helps engineers analyze these models, predict outcomes, and make informed decisions.

Can I skip Calc 1 in college? If you did well enough on the AP test, you will have the option to skip Calculus 1 and start at a higher level. That means you'll have a decision to make, and at least two reasonable choices. On the one hand, skipping

calculus 1 allows you to advance faster.

Is Calc 2 harder or Calc 1?

Why is Calc 1 so hard? The concepts take you far beyond the comfortable realms of algebra and geometry that you've explored in previous courses. Calculus asks you to think in ways that are more abstract, requiring more imagination. You have to wrestle with new vocabulary, new symbols, and new processes.

What is the hardest engineering math? Fields like electrical, computer, or biomedical engineering often require the most advanced and complex mathematics, including calculus, differential equations, linear algebra, and probability.

Is engineering math harder than computer science? Most Scientific and Engineering fields are heavily math oriented, so level of difficulty should be similar. I think this is more a function of the types of science and math you enjoy studying. They're both very challenging if you are doing them right!

What is the hardest engineering to study? The top 5 most difficult engineering courses in the world are nuclear engineering, chemical engineering, aerospace engineering, biomedical engineering and civil engineering.

Which engineering has the hardest math? Chemical and electrical engineering involve higher levels of abstraction. Chemical engineers also need to apply both chemical, electrical, and physical engineering principles at a high level, while an electrical engineering major also entails very high levels of math difficulty.

What kind of math is used in engineering? Trigonometry, algebra, and calculus are examples of basic math courses offered in engineering degree programs. But the depth and rigor of these engineering courses are what makes them stand out. In contrast to regular math studies, engineering math covers more ground and is applied more rigorously.

What level of math is needed for engineering? Therefore, high school students contemplating engineering should take at least eight semesters of math, with a year of algebra, a year of geometry, a year of advanced algebra, and a year of trigonometry, all of which are considered prerequisite to calculus.

Is calculus the hardest math in engineering? Linear Algebra was the only class that was close to being as easy. Every other university math class was significantly more difficult than calculus. Calculus was however used quite often in other classes, and was therefore something that was worth learning very well. It's harder than a lot of first year classes.

FIGURATIVE LANGUAGE IN SPEAK BY LAURIE HALSE ANDERSON

What figurative language is used in *Speak* by Laurie Halse Anderson? Similes exist throughout the book to compare similar things. Again, Melinda uses humor when she states, "Dad snorts like a bull." Another simile shows her respect for her classmate Nicole's athletic ability: "Nicole is unstoppable at field hockey."

What are the symbols in *Speak* by Laurie Halse Anderson? The writers find three important symbols in the story, they are Melinda's tree painting, mirror, and Melinda's lips and mouth condition. Anderson puts those symbols in the story in order to strengthen the salvation from the isolation as the solid theme for *Speak*.

What is an example of personification in *Speak*?

What are some themes in *Speak* by Laurie Halse Anderson?

What do Melinda's lips symbolize in *Speak*? She is not only biting her lips as a metaphorical way to keep quiet about what happened to her, but also as a way to express her desire to "swallow myself." Readers should watch how this motif continues to evolve as Melinda's relationship to herself and her self-imposed silence change.

What is the irony in *Speak*? In Laurie Halse Anderson's novel *Speak* she utilizes irony to demonstrate that the inability to speak has negative consequences for Melinda Sordino. Therefore, Halse Anderson shows the irony of Melinda's difficulties communicating with the outside world.

What do trees symbolize in *Speak*? The Seed and Tree The most pervasive symbol in the book is the tree that Melinda chooses as her destiny in art class. It's

not just the tree itself that symbolizes Melinda, but also the stages it has to go through in order to thrive.

What do birds symbolize in *Speak*? By the end of the novel, birds have become an unambiguous symbol of freedom and joy. When Melinda realizes that there is something missing from her crucial tree sketch, she adds birds, which symbolize her own eventual release from the trauma and depression that have burdened her throughout the book.

What does blood symbolize in *Speak*? Melinda is hyperaware of blood throughout the novel. An incredibly charged symbol, blood represents both life and death, and also is especially connected to the idea of adult womanhood (because of menstruation).

What is hyperbole in figurative language? Hyperbole is a figure of speech you use when you want to exaggerate what you mean or emphasize a point. It comes from the Greek word to mean “excess” and is often used to make something sound much bigger, better, funnier, or more dramatic than it actually is. Hyperbole is a useful tool in language.

What is a metaphor in figurative language? A metaphor is a statement that compares two things that are not alike. Unlike similes, metaphors do not use the words “like” or “as.” Such statements only make sense when the reader understands the connection between the two things being compared. An example of a popular metaphor is “Time is money.”

What are 5 examples of personification? Personification Examples in Everyday Language The sun kissed me while I was clicking a picture. The flowers danced to the wind. My clothes stood so erect as if someone had ordered them to stay in attention, as soon as I had ironed them. I felt like the food kept calling me.

What is the symbolism in *Speak* Laurie Halse Anderson? In "*Speak*," symbols like the tree, Melinda's art project, and the mascot reflect her emotional growth and struggle. The tree symbolizes her recovery and resilience, while her evolving art project mirrors her journey to self-expression.

What literary elements are used in *Speak* by Laurie Halse Anderson? Laurie Halse Anderson uses literary elements such as imagery, symbolism, and conflict, in order to reveal the protagonist's emotional growth throughout the the novel. In the novel, Anderson uses imagery to show Melinda's mental state throughout the novel.

What does the frog symbolize in *Speak*? Melinda is still traumatized, as evidenced by the symbol of the dead frog and her interaction with IT. The contrast between Melinda and Heather's characterizations also provide more insight into Melinda's mind. First, the dead frog Melinda has to dissect symbolizes her sense of self and the trauma she suffered.

How does the speaker use of figurative language? Figurative language can help to develop and enhance the tone of a speaker by creating vivid images that evoke strong emotions. Metaphors, for example, can be used to make the speaker's point more powerful and memorable.

What is the figurative language in a speech? It's the use of figures of speech, such as metaphors, similes, and allusions, to be more effective, persuasive, and impactful. Figurative language heightens the impact of a given statement, by conjuring images outside of the immediate confines of the text, to elicit a sensation.

What figures of speech is the scarlet ibis? In "The Scarlet Ibis" by James Hurst, figurative language includes similes, metaphors, and personification. For example, the narrator describes Doodle's movements as "crawling backward as if he were in reverse and couldn't change gears," highlighting his struggle.

What figurative language is sobbing the rain cried into his sleeve? The figurative device being used is personification, where rain is given the ability to cry and sob like a person.

MUSCULAR SYSTEM QUESTION AND ANSWERS

What are some good questions about the muscular system?

What is the muscular system short answer? The muscular system is composed of specialized cells called muscle fibers. Their predominant function is contractibility.

Muscles, attached to bones or internal organs and blood vessels, are responsible for movement.

What are 5 facts about the muscular system?

What are the 7 common disorders of the muscular system?

What is the strongest muscle in the human body? If you define strength to mean the ability to exert the most pressure, then the strongest muscle in the human body is the masseter muscle. Of course, you probably call the masseter your jaw muscle. This thick cheek muscle near the back of your jaw opens and closes your mouth when you chew.

What is the most important part of the muscular system? Skeletal muscles: These create movement in the body. There are nearly 700 skeletal muscles and make up about 40% of a person's body weight.

What are muscles made of? Each muscle is made up of groups of muscle fibers called fascicles surrounded by a connective tissue layer called perimysium. Multiple units of individual muscle fibers within each fascicle are surrounded by endomysium, a connective tissue sheath.

How many muscles are in our body? There are about 600 muscles in the human body. The three main types of muscle include skeletal, smooth and cardiac.

What organs make up the muscular system? The muscular system is an organ system consisting of skeletal, smooth, and cardiac muscle.

What is the biggest muscle in the body? The Gluteus Maximus (GM) muscle is the largest and most powerful in the human body. It plays an important role in optimal functioning of the human movement system as well as athletic performance.

What is the smallest muscle? Stapedius muscle is termed to be the smallest skeletal muscle in human body, which has a major role in otology. Stapedius muscle is one of the intratympanic muscles for the regulation of sound.

Can you live without the muscular system? Without muscle, humans could not live.

What can damage the muscular system? Causes of muscle disorders include: Injury or overuse, such as sprains or strains, cramps or tendinitis. A genetic disorder, such as muscular dystrophy. Some cancers.

What disease attacks muscles? Myositis makes your immune system attack your muscles. Depending on which type of myositis you have, you'll have a hard time moving or using your affected muscles.

What causes muscle wasting? With muscle atrophy, your muscles look smaller than normal. Muscle atrophy can occur due to malnutrition, age, genetics, a lack of physical activity or certain medical conditions. Disuse (physiologic) atrophy occurs when you don't use your muscles enough. Neurogenic atrophy occurs due to nerve problems or diseases.

What is the weakest muscle in your body? The Stapedius, the smallest skeletal muscle in the human body, which is about 1 mm in length, is regarded to be the weakest muscle. It originates from a prominence known as the pyramidal eminence at the posterior edge of the tympanic cavity. It inserts into the stapes' neck.

What is the weakest spot in the human body?

Is your tongue a muscle? What is the tongue? The tongue is an extremely movable group of muscles, which is well-supplied with blood and has many nerves. It has an oblong shape and is covered with a dense layer of connective tissue. Above this layer, a special kind of mucous membrane makes up the surface of the tongue.

What are the 3 most important muscles? The reminder not to skip leg day in the gym is directed at us for good reason—because the legs are one of the three most important muscle groups that affect athletic performance. Proper training and stretching of the legs, chest, and back are key to unlocking optimum athletic performance.

What are 10 interesting facts about the muscular system?

What are the three main types of muscle? There are three major muscle types found in the human body: skeletal, cardiac, and smooth muscle. Each muscle type has unique cellular components, physiology, specific functions, and pathology.

Skeletal muscle is an organ that primarily controls movement and posture.

How does the muscular system affect your life? Help you move, sit still, and stand up straight. Allow you to move your eyes to look around. Push food through your digestive system. Pump blood through your heart and blood vessels.

What keeps the muscular system healthy? One of the most important ways to protect and support your muscles is to stretch regularly. Doing so allows you to move more easily and freely, whether you're walking, running, biking or playing a sport.

What are the 3 main muscles in the muscular system? There are three major muscle types found in the human body: skeletal, cardiac, and smooth muscle. Each muscle type has unique cellular components, physiology, specific functions, and pathology.

How many muscular system do we have? Summary. There are about 600 muscles in the human body. The three main types of muscle include skeletal, smooth and cardiac.

PRINCIPLES OF MARKETING 8TH CANADIAN EDITION

When was Principles of marketing 18th edition published?

When was Principles of marketing 17th edition published?

Who is the father of marketing? Philip Kotler is known around the world as the “father of modern marketing.” For over 50 years he has taught at the Kellogg School of Management at Northwestern University. Kotler's book Marketing Management is the most widely used textbook in marketing around the world.

What is the definition of marketing in principles of marketing? Marketing is the activity, set of institutions, and processes for creating, communicating, delivering, and exchanging offerings that have value for customers, clients, partners, and society at large.

When was marketing management 14th edition published?

What is the oldest marketing philosophy? The Production Concept. This concept is the oldest of the concepts in business. It holds that consumers will prefer products that are widely available and inexpensive. Managers focusing on this concept concentrate on achieving high production efficiency, low costs, and mass distribution.

What are the 7 principles of marketing? Since then, the theory has been expanded into the 7 P's of marketing. Which are: Product, Price, Promotion, Place, People, Packaging, and Process.

What are the 4 original marketing principles? The four Ps of marketing—product, price, place, promotion—are often referred to as the marketing mix. These are the key elements involved in planning and marketing a product or service, and they interact significantly with each other.

When was the 22 immutable laws of marketing published?

What are the 7 P's in marketing? The 7Ps of marketing. The 7Ps of marketing are product, price, place, promotion, people, process and physical evidence. This post and more is contained within our CIM ebook, 7Ps: a brief summary of marketing and how it works. Learn the 7Ps and you're well on your way to having your marketing fundamentals completed.

What are the 4 P's of marketing? The four Ps are product, price, place, and promotion. They are an example of a “marketing mix,” or the combined tools and methodologies used by marketers to achieve their marketing objectives.

Who gave 4 P's of marketing? The 4 Ps were first formally conceptualised in 1960 by E. Jerome McCarthy in the highly influential text, Basic Marketing, A Managerial Approach [1].

What are the 8 principles of marketing? The 8 Ps of marketing is product, price, place, promotion, people, positioning, processes, and performance. The goal is to get them working together for your marketing mix. If you can you'll have a much better chance to attract and convert your potential customers. There's no shortage of marketing advice out there.

What are the 5 P's of marketing strategy? The 5 P's of marketing – Product, Price, Promotion, Place, and People – are a framework that helps guide marketing strategies and keep marketers focused on the right things. Let's take a deep dive into their importance for your brand. Need content for your business?

Does marketing require a degree? Career growth You do not need a marketing degree to land a number of entry-level marketing jobs. But many marketing jobs at the associate, senior, or manager level do require a bachelor's degree, so it can be useful to have if you're interested in advancing your career.

What is the old concept of marketing management? The old concept maintains that the main objective of marketing is to supply goods or services from producer to consumers and earn profit by selling them.

Who is the father of old marketing management? Philip Kotler is known around the world as the “father of modern marketing.” For over 50 years he has taught at the Kellogg School of Management at Northwestern University. Kotler's book Marketing Management is the most widely used textbook in marketing around the world. This is his story – How a Ph. D.

What year did Philip Kotler define marketing? To expand on this concept, Marketing Professor Philip Kotler made a classic marketing definition in 1980 stating “Marketing is the human activity at satisfying needs and wants through the exchange process”.

What was the golden age of marketing? The 1960s through the late 1980s have been characterized as the “Golden Age of Advertising.” It was a time of big ideas, three-martini lunches and larger-than-life personalities who graced both the society pages and the business columns.

What is the oldest MLM? The origin of multi-level marketing is often disputed, but multi-level marketing style businesses existed in the 1920s and the 1930s, such as the California Vitamin Company (later named Nutrilite) and the California Perfume Company (renamed "Avon Products").

What is the oldest marketing technique? The flyers, billboards, and direct mail are the three main oldest marketing techniques that still do the job. 2.

When was the 22 immutable laws of marketing published?

When was marketing management published? Marketing Management, which was published in 1967, was the first text to use an analytical approach to marketing and include findings of scholarly studies.

What year did Philip Kotler define marketing? To expand on this concept, Marketing Professor Philip Kotler made a classic marketing definition in 1980 stating “Marketing is the human activity at satisfying needs and wants through the exchange process”.

Who wrote the first marketing book? This book is written by one the most renowned personality in the field of Marketing. Philip Kotler is regarded as the father of Marketing around the world. His book 'Principles of Marketing' is been referred by every person who is engaged into the field of Marketing. The book is also referred as the Bible of Marketing.

ANNE FRANK THE DIARY OF A YOUNG GIRL

RESPONSE JOURNAL

Why did Anne write in her journal? Anne Frank received her diary as a gift on her thirteenth birthday in 1942. At first, it was her place to record observations about friends and school and her innermost thoughts. But when she and her family went into hiding the month after the diary began, it became a war document.

Why was Anne Frank's journal important? Anne Frank's story has influenced people's opinion of the Holocaust as much as any other work of art. The reason being that it shows the inhuman victimization of the Jews during the Holocaust. It also shows that the belief that people are basically good no matter how horrendous their acts, can be reason for hope.

What did she write about in her diary Anne Frank? Ultimately, it was only to Kitty that she entrusted her innermost thoughts. In her diary, Anne wrote of her very close relationship with her father, lack of daughterly love for her mother (with whom she felt she had nothing in common), and admiration for her sister's intelligence and sweet nature.

How old was Anne Frank when she got her journal? On her thirteenth birthday, just before they went into hiding, Anne was presented with a diary. During the two years in hiding, Anne wrote about events in the Secret Annex, but also about her feelings and thoughts.

What were Anne Frank's last words? Anne's last entry was written on Tuesday 1 August 1944. It reads: Dearest Kitty, "A bundle of contradictions" was the end of my previous letter and is the beginning of this one.

Why does Anne decide to name her journal Kitty? Why does Anne Frank name her diary Kitty? Anne was frustrated, isolated, and lonely in the cramped quarters they were hiding in. She wanted her diary to be a friend that she could find comfort in and confide in. With that in mind she named the diary Kitty and decided to give it a personality.

What does Anne Frank's diary teach us? The diary ends suddenly on 1 August 1944. There are many important messages in this book, but the most important message is that all people have the right to live in freedom. Anne's story shows us that just because people may be a different religion or race, doesn't mean that they should be treated differently.

What does Anne Frank's diary reveal? Anne's precious diary reveals her fears and hopes during their time in the "Secret Annex" and gives dramatic insight into the lives of Jews struggling to survive under the threat of Nazism.

What does Anne write in the diary about herself and her sister? Answer: Anne's diary entries concerning her sister were mainly about the jealousy she felt towards Margot because she felt like their parents treated Margot better than they treated Anne.

Who gives Anne her first kiss?

Why was it strange for Anne to write a diary? Answer: Writing in a diary was a strange experience for Anne Frank because she had never written anything before in a diary as she had received it as a gift on her thirteenth birthday. She considered the diary to be her best friend, where she could write all her thoughts and feelings.

What was Anne Frank's nickname for her diary? Answer and Explanation: Anne Frank nicknamed her diary "Kitty." The diary was written in Dutch, the language of Frank's adopted homeland of the Netherlands. It was discovered by her father after Frank's death, and is one of the best-selling books in history.

What was Anne Frank like as a child? Annes first years. Anne spent the first four years of her life in Frankfurt am Main (Germany). She was a cheerful and naughty toddler. Housekeeper Kathi later remembered the time when Anne sat down in a puddle of rain and made Kathi tell her a story there.

When did Anne Frank stop writing in her diary? What is the date of Anne's last entry? Anne's last diary letter is dated 1 August 1944, three days before the arrest.

What are 5 famous quotes of Anne Frank?

What was Anne Frank's gender? Annelies Marie "Anne" Frank (German: [ʔanʔ(liʔs maʔʔiʔ) ʔfʔaʔk], Dutch: [ʔʔnʔʔlis maʔʔri ʔfrʔʔk, ʔʔnʔ ʔfrʔʔk]; 12 June 1929 – c. February or March 1945) was a German-born Jewish girl who kept a diary documenting her life in hiding amid Nazi persecution during the German occupation of the Netherlands.

What happened to Anne Frank's cat? On 6 July 1942, she had to say goodbye to Moortje. Moortje was not allowed to come with her into hiding. Her parents left a note and meat for the neighbours asking them to take care of Moortje.

Is Anne's friend Hannah still alive? Hannah Elisabeth Pick-Goslar (born Hanna Elisabeth Goslar; 12 November 1928 – 28 October 2022) was a German-born Israeli nurse and Holocaust survivor best known for her close friendship with writer Anne Frank.

Who gifted Kitty to Anne? Kitty was technically an 'outsider' as the diary was gifted to Anne by her father on her thirteenth birthday. However, Anne treated the diary as an 'insider' and considered it to be her best friend with whom she shared all her thoughts and feelings.

Does Anne treat Kitty? She treated Kitty as an insider because she called it her best friend and was ready to confide in it.

How did Kitty help Anne over? Anne could express her feelings and avoid boredom whenever she wanted. She believed in the quote "Paper has more patience than people", and whenever she felt depressed and was internally conflicted whether she should stay in or go out, she could write in the diary. This way, Kitty helped Anne overcome her loneliness.

Why did Anne Frank re write her diary? Responding to an appeal by the Dutch government-in-exile to people in the Netherlands to document the Nazi occupation, Anne started rewriting her diary during the spring of 1944. Envisioning it as a work for publication, she transformed her original entries into a kind of epistolical novel.

When and why did Anne start writing her diary? On 12 June 1942, Anne was given a diary for her thirteenth birthday. It was something she really wanted. Her parents let her to pick one out herself in a bookshop.

Why does Anne feel that writing in a diary is really? Answer: Writing in a diary was a strange experience for Anne Frank because she had never written anything before in a diary as she had received it as a gift on her thirteenth birthday. She considered the diary to be her best friend, where she could write all her thoughts and feelings.

Why did Anne confide in her diary? Anne did not have a true friend in whom she could confide, hence she started writing a diary. Moreover, she knew that paper had more patience than people and her secrets would be safe in a diary. She could trust a diary more than people.