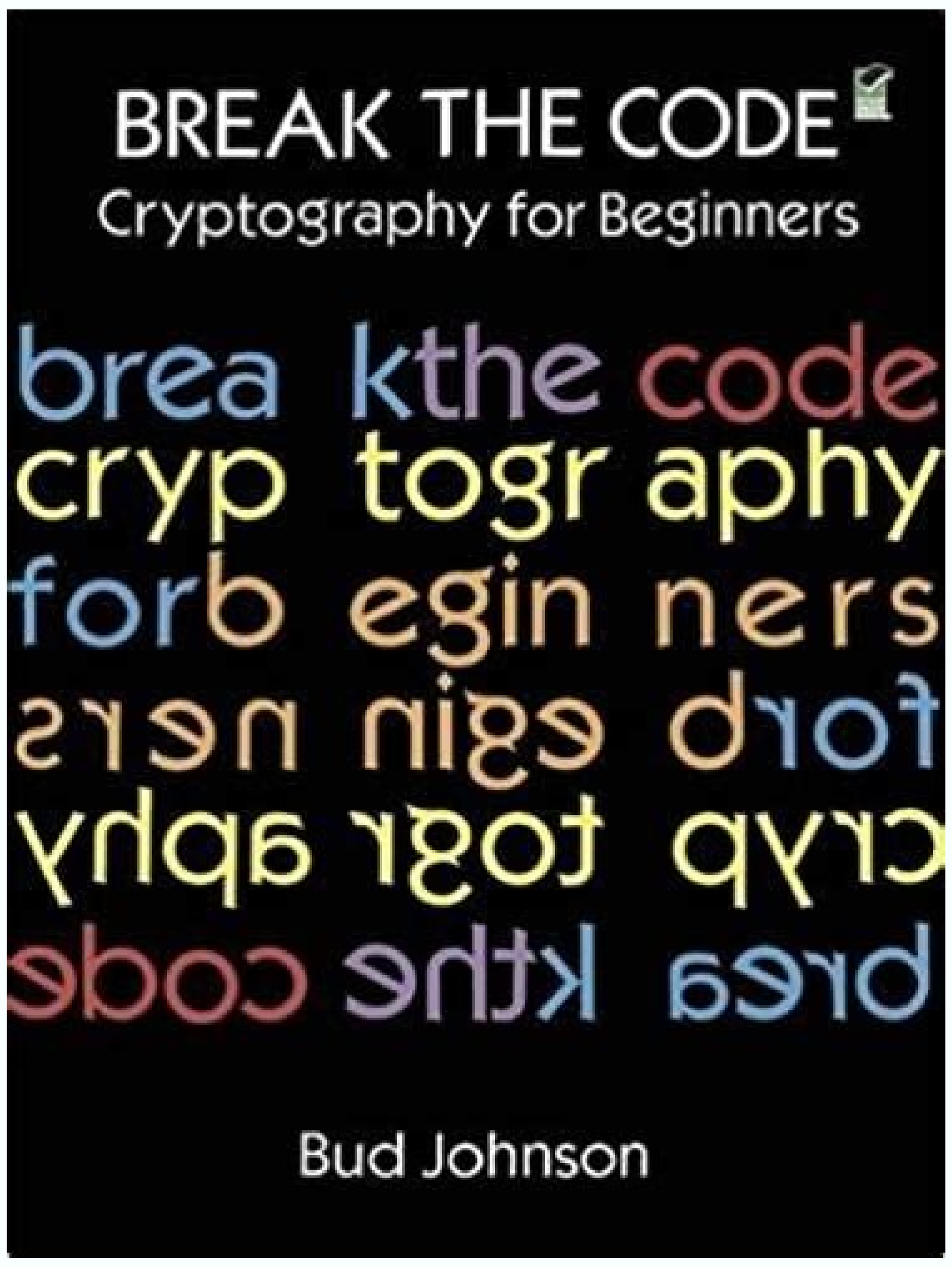
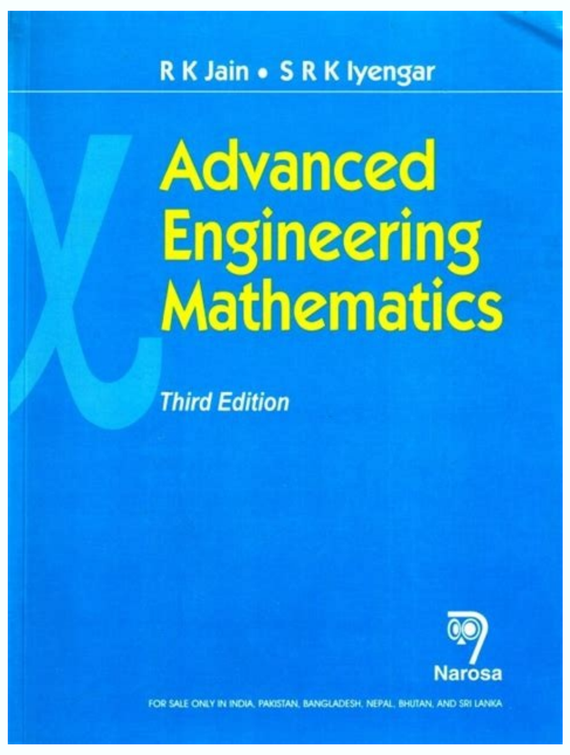
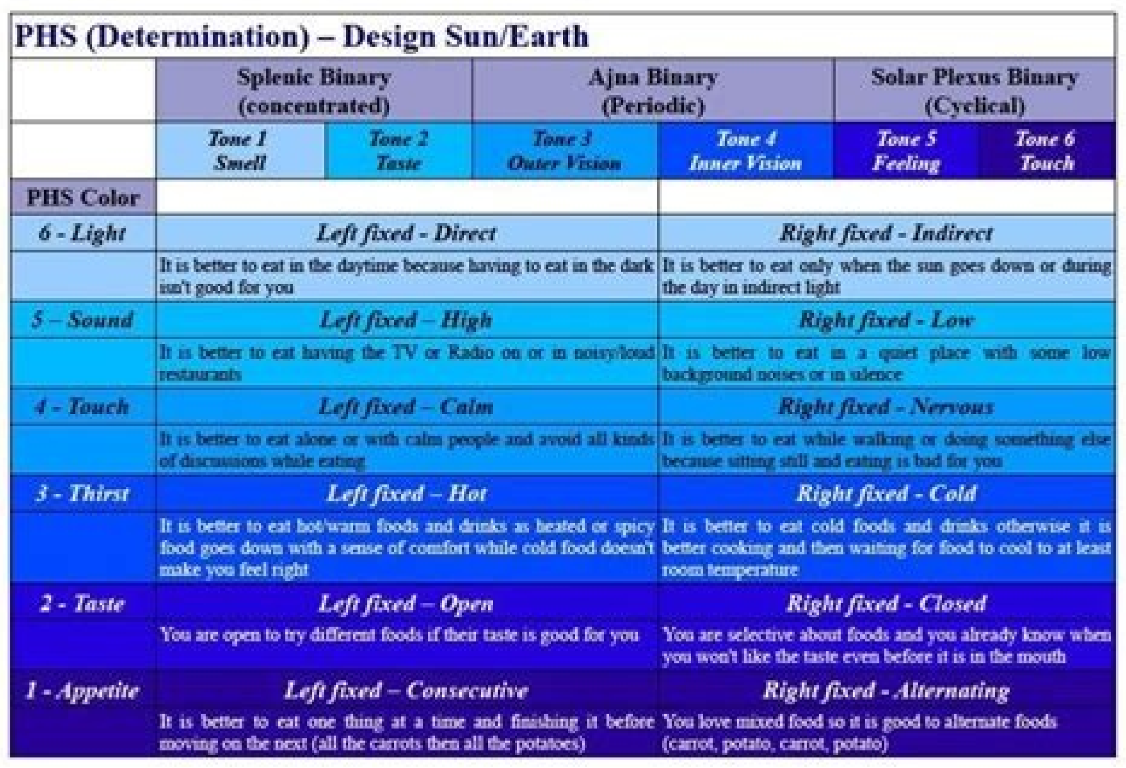
Variables in mathematics pdf

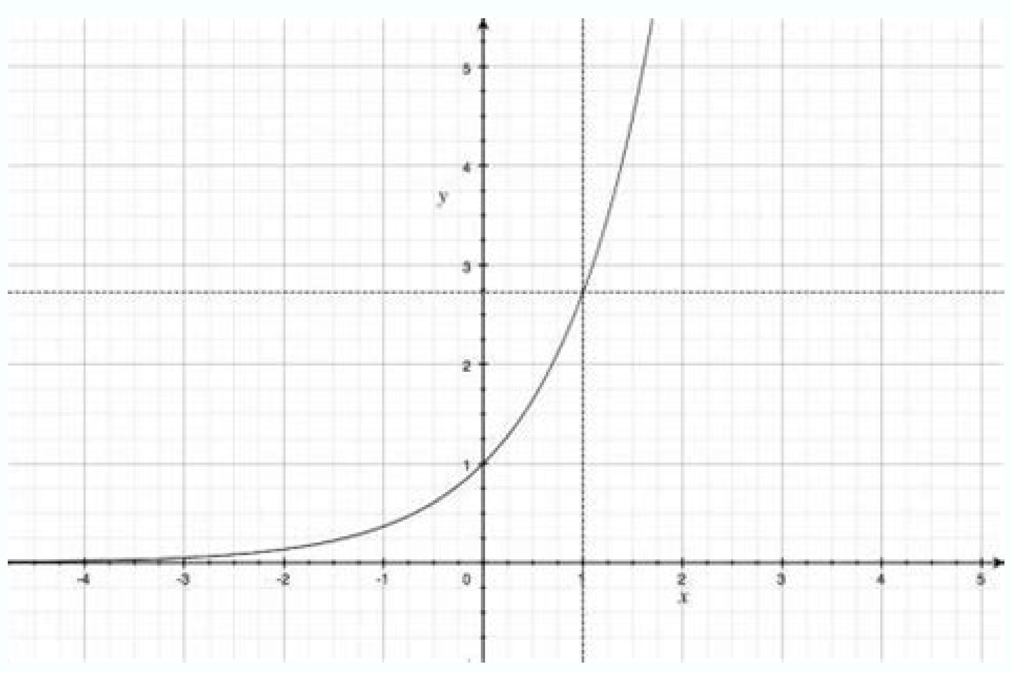


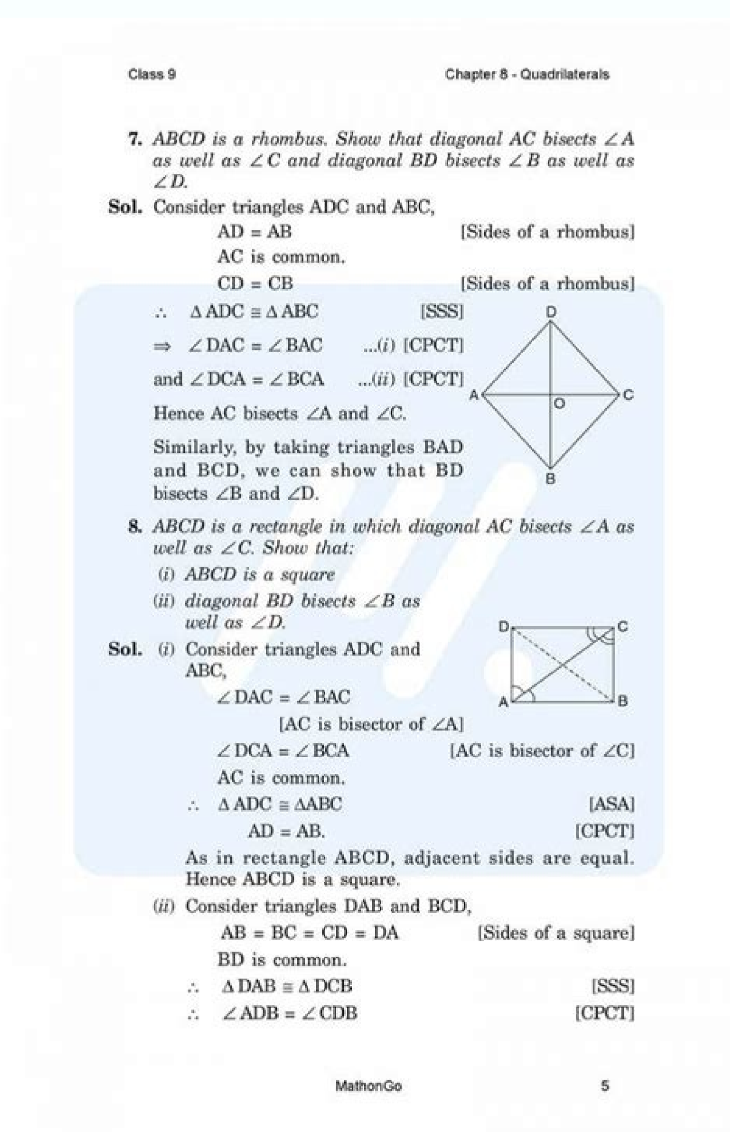




PHS (Determination) – Design Sun/Earth

	Splenic Binary (concentrated)		Ajna Binary (Periodic)		Solar Plexus Binary (Cyclical)	
	Tone 1 Smell	Tone 2 Taste	Tone 3 Outer Vision	Tone 4 Inner Vision	Tone 5 Feeling	Tone 6 Touch
PHS Color						
6 - Light	Left fixed - Direct			Right fixed - Indirect		
	It is better to eat in the daytime because having to eat in the dark isn't good for you			It is better to eat only when the sun goes down or during the day in indirect light		
5 – Sound	Left fixed – High			Right fixed - Low		
	It is better to eat having the TV or Radio on or in noisy/loud restaurants			It is better to eat in a quiet place with some low background noises or in silence		
4 - Touch	Left fixed – Calm			Right fixed - Nervous		
	It is better to eat alone or with calm people and avoid all kinds of discussions while eating			It is better to eat while walking or doing something else because sitting still and eating is bad for you		
3 - Thirst	Left fixed – Hot			Right fixed - Cold		
	It is better to eat hot/warm foods and drinks as heated or spicy food goes down with a sense of comfort while cold food doesn't make you feel right			It is better to eat cold foods and drinks otherwise it is better cooking and then waiting for food to cool to at least room temperature		
2 - Taste	Left fixed – Open			Right fixed - Closed		
	You are open to try different foods if their taste is good for you			You are selective about foods and you already know when you won't like the taste even before it is in the mouth		
1 - Appetite	Left fixed – Consecutive			Right fixed - Alternating		
	It is better to eat one thing at a time and finishing it before moving on the next (all the carrots then all the potatoes)			You love mixed food so it is good to alternate foods (carrot, potato, carrot, potato)		





Class 9 Chapter 8 - Quadrilaterals

7. *ABCD is a rhombus. Show that diagonal AC bisects ∠A as well as ∠C and diagonal BD bisects ∠B as well as ∠D.*

Sol. Consider triangles ADC and ABC,

AD = AB [Sides of a rhombus]
AC is common.
CD = CB [Sides of a rhombus]
∴ Δ ADC ≅ Δ ABC [SSS]
⇒ ∠ DAC = ∠ BAC ...(*i*) [CPCT]
and ∠ DCA = ∠ BCA ...(*ii*) [CPCT]
Hence AC bisects ∠A and ∠C.
Similarly, by taking triangles BAD and BCD, we can show that BD bisects ∠B and ∠D.

8. *ABCD is a rectangle in which diagonal AC bisects ∠A as well as ∠C. Show that:*
(*i*) *ABCD is a square*
(*ii*) *diagonal BD bisects ∠B as well as ∠D.*

Sol. (*i*) Consider triangles ADC and ABC,

∠ DAC = ∠ BAC [AC is bisector of ∠A]
∠ DCA = ∠ BCA [AC is bisector of ∠C]
AC is common.
∴ Δ ADC ≅ ΔABC [ASA]
AD = AB. [CPCT]
As in rectangle ABCD, adjacent sides are equal. Hence ABCD is a square.

(*ii*) Consider triangles DAB and BCD,
AB = BC = CD = DA [Sides of a square]
BD is common.
∴ Δ DAB ≅ Δ DCB [SSS]
∴ ∠ ADB = ∠ CDB [CPCT]

MathonGo 5

Variables in mathematics education. Variables in mathematics in the modern world. Purpose of variables in mathematics. Variables in mathematics in the modern world ppt. Dependent and independent variables in mathematics. How are variables in mathematics important. Types of variables in mathematics. Use of variables in mathematics.

The right answer depends a lot on your mathematical past. I suppose you have seen some variable range cholas, and not too much of it. Instead of using your $ u $ and $ v $, I'll use $ x $ and $ y $. The density function of $ x $ is $ lambda and ^ {- lambda x} $ (for $ X ^ GE 0 $), and $ 0 $ elsewhere. There is a similar expression for the density function of $ y $. By independence, the function of joint density of $ x $ and $ y $ is of $$$ lambda \ mu e ^ {- lambda x} and ^ {- mu y} $$$ in the first quadrant, and $ 0 $ on other places. Let $ z = y-x $. We want to find the density function of $ Z $. First we will find the function of cumulative distribution $ f_z (z) $ of $ z $, that is, the likelihood of $ z \ le z $. Therefore, we want the likelihood that $ y-x {\ i1} le z $. Geometry is a little different when $ Z $ is positive than when $ Z $ is negative. I will make $ z $ positive, and you can treat $ z $ negatives. Consider $ Z $ fixed and positive, and tracing the $ y-x = z $ line. We want to find the probability that the couple ordered $ (x, y) $ end up that line or on it. The only relevant region is in the first quadrant. So $ D $ be the part of the first quadrant that lets below or at the line $ y = x + z $. Then $$ P (Z {\ le z) == IINT_D {\ lambda \ MU and ^ {\ lambda x} and ^ {\ mu y}, DX, DY. $$ we will evaluate this integral using an iterated integral. First we will integrate with respect to $ y $, and then with respect to $ x $. Note that $ y $ travels $ 0 $ x + z $, and then $ x $ $ 0 $ 0 to infinite. Thus, $$ p (z \ le x) = int_0 ^^ infty ^ lambda e ^ {- lambda x} {- left_ {y = 0} ^ {x + z} mu e ^ {- mu y}, dy) DX. $$ Interior integral ends up being $ 1-and ^ {- MU (x + z) ^ $. Therefore, now we need to find $$ 0 ^ INT_0 ^ Infty (lambda and ^ {- lambda x} -lambda and ^ {- MU z} and ^ {- (lambda + mu) XRIGHT) DX. $$ The first part is Easy, it's $ 1 $$. The second part is quite routine. We ended up with $$ ({\ le z) = 1-frac {\ lambda} {\ lambda +} and ^ {\ mu z}. $$ for density function $ F_Z (Z) $ from $ Z $, differentiate the function of cumulative distribution. e {mu z\} quad\ text for $z ge 0$% please note that we only handle z. a very similar argument will take you $f josué Z(z)$a negative values of z. the main difference is that the final integration is $x=-z$em. carrying previewsorry, the forecast is currently unavailable. you can download the paper by clicking the button above. here you can download free reading notes of engineering mathematics 1 pdf notes@ in 1 pdf notes materials with multiple file links to download. the engineering mathematics 1 notes pdf@ in 1’ in 1’Â 160; notes pdf book begins with the topics that cover the basic definitions of sequences and series, cauchy ï’j’élège’ s theorem of average value, evolutions and envelopes curve tracking, integral representation for lengths, overview of differential equations, linear differential equations of high divergence and its gradient applications, etc. Engineering mathematics 1 pdf notes mendes@ at 1 pdf notesengineering mathematics ateateste 800'Notes download links are listed below, please check it “ complete NotesLink:NotesNote complete notesnote-: these notes are according to jntu's syllabus r09 book. in r13 and R15.8-units of r09 program are combined into five r13 and r15 units. If you have any questions, please refer to the jntu syllabus book. UNIT.-808080}ISequences ateateatehave been addressed to the basic definitions of atheus- sequences and series. convergence and divergence “ ratio test “ altitude rate “ comparison test “ encouraged “ integral test “ cauchyva “ test tower “ raaberia “ absolute “ and conditional unit “ Variable functions varierollein theorem ” lagrangeenta enta enta enta enta enta enta enta enta enta enta enta enta enta enta enta enta enta enta enta cent Functions of various variables up to functional dependence,Maxima and Minima of functions of two variables with conditional and without restrictions Radius, Centre and Circle of Curvature.- Evolutes and Envelopes Healing Curve tracing atersian, atersian,and parametric curves. 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