



Mid Year Exams : February 2012

Please place on this sheet the contents of your course that you will be examining in your Mid Year Exam. Details are expected. Chapter numbers, section headings and the like. Please type using this template and then email the template to me using the following syntax in the Subject header of the email : Taught Subject : Class. Thus if I were sending details of Maths in 7A the subject of the email would be : "Maths : 7A". Every Class/Subject combination should have a separate email. Thus Bassem will send me about 19 emails!

Teacher : B.Kordahi

Subject : Math 11S

- 1) Chapter 3: Quadratic equations (quadratic equations in one unknown , solution ,sum and product ,equations that can be reduced to quadratic ones, parametric equations)
- 2) Chapter 4: Equation of a circle (equation of a circle , a disc , relative position of a line and a circle , tangents to a circle)
- 3) Chapter 9 : Limits of a function at infinity (limits , operations, limits and inequalities)
- 4) Chapter 10 : Limits of a function at a point (limits , operations, limits and inequalities)
- 5) Chapter 11 : Derivatives (at a point , derived function ,operations)
- 6) Chapter 12 : Elementary trigonometric equations (Solutions of equations of the form : $\sin x = a$, $\cos x = a$ and $\tan x = a$)
- 7) Chapter 13 : Trigonometric formulas (Addition formulas , double angle formulas , tangent formulas , factoring or linearization formulas , tangent of half the angle)
- 8) Chapter 21 : Signs of quadratic trinomials(study , inequalities ,system of inequalities)
- 9) Chapter 22 : Polynomials (Euclidean division , divisibility , factorization of second degree trinomial , factorizing higher degree polynomials)
- 10) Chapter 25 : Functions (second , third , fourth , rational ,square root and absolute value functions: variations and graphs)