

# Functions Graphs Past Papers Unit 1 Outcome 2

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### Functions Graphs Past Papers Unit

Functions/Graphs Past Papers Unit 1 Outcome 2 Written Questions [SQA] 1.  $f(x) = 3x$  and  $g(x) = 3x, x \neq 0$ . (a) Find  $p(x)$  where  $p(x) = f(g(x))$ . 2 (b) If  $q(x) = 3x, x \neq 3$ , and  $p(q(x))$  in its simplest form. 3 [SQA] 2. PSfrag replacements  $O \times y$  [SQA] 3. On a suitable set of real numbers, functions  $f$  and  $g$  are defined by  $f(x) = 1x + 2$  and  $g(x) = 1 \dots$

### Functions/Graphs Past Papers Unit 1 Outcome 2

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## Functions Graphs Past Papers Unit 1 Outcome 2

The Graph of the Sine Function and the Unit Circle Recall from Chapter 9 that if  $\theta$  is an angle in standard position with measure  $u$  and  $P(p, q)$  is a point on the unit circle, then  $(p, q) = (\cos u, \sin u)$  and  $A(u, q)$  is a point on the graph of  $y = 5 \sin x$ . Note that the x-coordinate of A on

## GRAPHS OF TRIGONOMETRIC FUNCTIONS

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## Functions Graphs Past Papers Unit 1 Outcome 2 ...

(Questions 1 -3 from past CXC papers.) 1. If  $f(x) = x^2 - 34x + 52$ , then  $f(-2) =$  (A)  $-49$  (B)  $-1$  (C)  $9$  (D)  $23$  2. Which of the following could describe the mapping above? (A)  $f(x) : x \rightarrow x + 3$  (B)  $f(x) : x \rightarrow 21 + x$  (C)  $f(x) : x \rightarrow 2 + 1/x$  (D)  $f(x) : x \rightarrow -232/x$  3. If  $f(x) = x^2 + 13$ , then  $f^{-1}(x)$  is (A)  $10$  (B)  $7$  (C)  $-5$  (D)  $-8$  UNIT 30 Functions CSEC ...

## UNIT 30 Functions CSEC Multiple Choice Questions

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## **Functions | AQA GCSE Maths | Questions, Answers & Videos**

**Skill 1: Evaluating Functions** Evaluating functions involves putting numbers into the function to get the result. Example: A function is given by  $f(x) = 3x+1$ , Find  $f(10)$  All this requires is to replace  $x$  with 10 and calculate the result.. When we input 10 into this function that would look like:.

$$f(\text{\textcolor{red}\{10\}}) = 3 \times \text{\textcolor{red}\{10\}} + 1 = 31$$

## **Functions Questions | Worksheets and Revision | MME**

In this section, we will interpret and create graphs of sine and cosine functions. Graphing Sine and Cosine Functions. Recall that the sine and cosine functions relate real number values to the  $x$ - and  $y$ -coordinates of a point on the unit circle. ... Table 1 lists some of the values for the sine function on a unit circle.  $x$   $x: 0$   $0$ :

### **6.1 Graphs of the Sine and Cosine Functions - Precalculus ...**

Past Paper Solutions from 2006 to 2013; Online tests; Old Higher. These notes are now out of date but you can still download them if you wish. Old Higher: Unit 1. Unit 1 - All Outcomes. Unit 1 Outcome 1 - Straight Lines. Unit 1 Outcome 2 - Functions and Graphs. Unit 1 Outcome 3 - Differentiation. Unit 1 Outcome 4 - Sequences. Unit 1 Summary ...

## **HSN.uk.net - Free notes for Higher Maths**

This chapter covers all the graphs and functions you need to know about in grade 10. This includes looking at relationships between variables, the parabola, hyperbola and the exponential graph and the effect of “ $a$ ” and “ $q$ ” on the graph as well as discussions on the domain and range of each graph, asymptotes, axes of symmetry, turning points and  $x$  and  $y$  intercepts.

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## **Grade 10 - Functions - Maths At Sharp**

This is a compilation of questions on functions and graphs from the South African national grade 12 examination papers over the period 2014 - 2016. This is a compilation of questions on functions and graphs from the South African national grade 12 examination papers over ... NSC Past Exam Papers & Memos . 2019 2018 2017 2016 Woza Matrics ...

## **Mathematics Grade 12 Functions and Graphs | WCED ePortal**

Transformations of graphs (mod types) : C3 Edexcel June 2012 Q4 : ExamSolutions Maths Tutorials - youtube Video

## **Exam Questions - Modulus functions graphing | ExamSolutions**

1. Functions: Features of graphs such as axis intercepts, stationary points including inflection, domain/ restricted domain, range, asymptotes, symmetry and endpoints. • graphs and identification of key features of graphs of the following functions: – power functions ( if on exam one- know general shape and plot points)

## **VCE MATHS METHODS UNIT 3 &4 AREA OF STUDY: EXAM PREPARATION**

The radian is a natural unit for measuring angles. We use radian measure in calculus because it makes the derivatives of trigonometric functions simple. You should try to get used to thinking in radians rather than degrees. To measure an angle in radians, construct a unit circle (radius 1) with centre at the vertex of the angle. The

## **Introduction to trigonometric functions**

exam-mate is an exam preparation and exam builder tool, containing a bank of topical and yearly past papers. It covers Cambridge IGCSE Past Papers, Edexcel International GCSE, Cambridge and

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Edexcel A Level and IAL along with their mark schemes. Students can use it to access questions related to topics, while teachers can use the software during teaching and to make exam papers easily.

### **IB DIPLOMA | Topical past papers | Exam-Mate**

Trig. Past Papers Unit 2 Outcome 3 Written Questions [SQA] 1. Solve the equation  $3\cos^2x + \cos x = 1$  in the interval  $0 < x < 360$ . 5 Part Marks Level Calc. Content Answer U2 OC3 5 A/B CR T10 60,131 8,228 2,300 2000 P2 Q5 1 ss: know to use  $\cos^2x = 2\cos^2x - 1$  2 pd: process 3 ss: know to/and factorise quadratic 4 pd: process 5 pd: process 1  $3(2\cos^2x - 1) - 2 = 0$  ...

### **Trig. Past Papers Unit 2 Outcome 3 - Prestwick Academy**

Revision notes on 'Drawing Graphs - Shapes' for the CIE IGCSE Maths exam. Designed by the expert teachers at Save My Exams.

### **Drawing Graphs - Shapes | CIE IGCSE Maths Revision Notes**

Example: Plotting Quadratics Plot the following quadratic equation:  $y = x^2 - x - 5$  [2 marks] First draw a table of coordinates from  $x = -2$  to  $x = 3$ , then use the values to plot the graph between these values of  $x$ . Step 1: Draw a table for the values of  $x$  between  $-2$  and  $3$ . Step 2: Substitute our values of  $x$  into the equation to get the corresponding  $y$  values. For example, when  $x = \text{\color{red}{-2}}$ , we get

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