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asked from this chart. RACSO PRODUCTS Page 5 6. Mathematical Pure 1 (coordinating geometry) email:racsostudenthelp@gmail.com - How to find the B.C. equation, I know I can get the AB equation, but how does that help me? Remember, when two lines are perpendicular, the product is their gradient (-1). When calculating the GRADIent of the AB line, it should reach 1.5 or 3/2. According to the formula (M1 x M2 - -1), taking the ab line to be M1 and 1.5, then the gradient line B.C. (M2) - (-2/3). Now you have a gradient and one point on the B.C. line, which (-2, 8). Then find the equation, you can go back and see how to find the gradient If given the gradient and point. The answer is: How can we find co-ordinates are on the X-axis, that is, the value of y'0, so C (x, 0). But we have a B.C. line equation from the previous part. If you have an equation of any string, if I connect the value to any point on that line, I should get the corresponding X value of that particular point, and vice versa. I know I'm 0, plug y' 0. You have to get 10 HG. Coordination value C (10, 0). Then how can we find a coordinated D? There are two options, one gets the D.C. and AD line equation and their solutions simultaneously, but it will be a long work for only 3 points, I will introduce something very simple called a vector move. As I know, the distance to B.C. and BC is equal (since it is a rectangle). Then I know the transition from B (-2, 8) C (10.0) 12 is added to the x point B value to get x point C value, which is 10. (-2 No12 No10) and 8 from y point B to get y point C, (8 - 8 q0). We can do the same for point D, add 12 to x and subtract 8 from the value of y. A (2, 14) D (x, y) So point D (14, 6), that's what we call a motion vector. RACSO PRODUCTS Page 6 7. Mathematics Pure 1 (coordinating geometry) email:racsostudenthelp@gmail.com - We discussed this from previous sections, you can write a line equation in the form of y - y1 y m (x - x1), unless stated in the question that should be written in the form of y and mx c. RACSO PRODUCTS Page 7. Mathematics Pure 1 (coordinating geometry) email:racsostudenthelp@gmail.com 4 Y-intercept Vertical Line y-Axis Out of The Equation, put y'0 find y, Horizontal Line x-axies You should get X -3/2 X-Intercept -3/2 -Something to remember, (b) RACSO PRODUCTS Page 8 9. Mathematical Pure 1 (coordinating geometry) email:racsostudenthelp@gmail.com - Whenever you have a line leaning on the line leaning on the left as (b) the gradient is negative. I think it's now very easy to just look at the line and know if the gradient is positive or negative, and looking at the C value to determine what the u-interception is. Let's move on to the crossroads, any idea what is crossing? In coordinate geometry, this is the point where two or more lines/curves meet. The intersection can occur between line and line, curve and line, or curve and curve (just like the numbers shown below) in any case, receiving a point of intersection; we need two lines/curves equations. Something else to remember that there can only be one crossing point or more of that one. (For this level I will discuss only up to 2 crossing points) - Look at the following graphs, (a) (b) (c) - You will come across the word tangent, which is a line that crosses the curve only once and does not cross it! Just like the graph (b). In other words, we can say that the line on the graph (b) has a tangent to the curve. RACSO PRODUCTS Page 9 10. Mathematics Pure 1 (Geometry Coordination) email:racsostudenthelp@gmail.com 9709/12/O/N/2009 - How would you solve this problem? Be sure to find the crossing point you first sove two equations simultaneously (you can use the method of replacement or elimination). The line has an equation of 2y' x y 5 and the curve has an equation y' x2 - 4x and 7. If I do y issue from the line leveling, I should have y' (x g 5)/2 x2 - 4x 7 and end up with, with a square equation y' 2x2 - 9x 9. Hope you can now solve this problem. You should get 2 values x. x'3 or x 1.5. This is the answer, as the questions ask you to find X values if asked to find cordinates crossing. You have to would take any of the 2 equations you you Considering, either 2y'x y y x x 2 - 4x y 7, connect the value x and get the appropriate value y' 4 or y' 3.25. this means that the intersection coordinates (3.4) and (1.5, 3.25). Let me get you back to the square, do you remember how discrimination works? it helps us determine how many solutions, either get 2 solutions, one solution or no solution. From the CIE issue, the line crosses the curve twice, but assuming that we had no graph, but only two equations, 2y' x 5 and y' 2x2 - 9x 9 and asked to know whether the curve and line intersect or not, and if so, how many times. First I will replace RACSO PRODUCTS Page 10 11. Mathematics pure 1 (coordinating geometry) email:racsostudenthelp@gmail.com one equation to another, make it look like this, y' 2x2 - 9x 9, and that's the point where discriminators come in handy! - If b2 - 4ac No 0, only one solution (sometimes means that the line is crossed only once, that is the line touches), and if b2 - 4ac No 0, there are two solutions (lines do not intersect) - From expression, b2 - 4ac and looking at the equation y' 2x2 - 9x 9, b -9, a'2 and c'9. If you decide, 92- 4 (2)9 9. 9 more zero, so there are two solutions, as we have seen from the chart, there are two values x. CAMBRIDGE PAST PAPER ISSUES RACSO Products Page 11 12. Mathematics Pure 1 (Coordinating Geometry) email:racsostudenthelp@gmail.com RACSO PRODUCTS Page 13 14. Mathematics Pure 1 (Coordinating Geometry) email:racsostudenthelp@gmail.com RACSO PRODUCTS Page 13 14. Mathematics Pure 1 (Coordinating Geometry) email:racsostudenthelp@gmail.com RACSO PRODUCTS Page 14 15. Mathematics Pure 1 (Coordinating Geometry) email:racsostudenthelp@gmail.com RACSO PRODUCTS Page 15 15 coordinate geometry a level questions. coordinate geometry a level notes. coordinate geometry a level past papers. coordinate geometry a level worksheet. coordinate geometry a level notes pdf. coordinate geometry a level pdf. coordinate geometry a level pdf. coordinate geometry a level questions and answers

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