Name:

Date:

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Class	/Group:	 	 	 			

A: Number & Algebra	Number & Algebra B: Algebra, Proportion, Geometry & Measure			C: Geometry & Measure & Statistics					
1. Simplify: √5 x √15	11:1	11. Make (r) the new subject of :	11:12	21. Work out the length BE. (correct to 3sf) 11:26					
		$P = \pi r + 2r + 2a$		A B 2.8cm					
2. Expand & simplify: $(\sqrt{3}+2)(\sqrt{3}+5)$	11:2	12. Sketch the graph of y = cos x 1	11:14	E 5cm F					
3. If x=6.4(1dp) and y=8.3(1dp) Work out maximum value of y – x.	11:3	y = f(x)		22. $\frac{\sin x}{8} = \frac{\sin 72^0}{11}$ Find x(correct to 1dp) $\frac{11:27}{8}$					
4. Simplify the following fraction: $\frac{2}{y+3} + \frac{3}{y-2}$	11:4	14. Estimate the distance travelled between 2 and 5 seconds.	11:16						
	11:5	40 30 30 10 0 0 1 1 2 3 4 5		23. Set up the formula to find angle 'x'? 11:28					
5. Solve: $\frac{x}{2x-3} + \frac{4}{x+1} = 1$		time(s)							
		15. Write down the equation of the tangent at (1,3) on the circle $x^2+y^2=10$	11:18						

