Name:

Date:

Class	/Group:	
Ciuss	, Group.	

A: Number & Algebra		B: Algebra, Proportion, Geometry & Measure		C: Geometry & Measure & Statistics		
1. Write v200 in the form avb	11:1	11. Make (x) the new subject of :	11:12	21. Work out the angle that the diagonal makes with	11:	1:26
		ax + y = cx + w		the base of the cuboid. (correct to 3sf)	888	
2. Rationalise & simplify:	11:2	12. This is the graph of y = cosx	11:14	/ /		
2		One solution for $\cos x = 0.67$ is $x = 48^{\circ}$. Use the graph to find				
1		another solution. 1				
$4 + \sqrt{2}$				15cm		
		13. This is the graph of $y = f(x)$. Sketch on the grid: $y = f(x)-4$	11:15 /	6cm		
		13. This is the graph of $y = f(x)$. Sketch on the grid: $y = f(x)-4$	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	6cm		
	44.2	*6		22. Find the size of the angle 'x'? (1dp)	11:	1:27
3. If x=18 & y=12(both to	11:3	4			888	
nearest integer)						
Work out maximum		-5 -4 /3 -2 -15 0 1 2 3 4		14cm 12am		
value of x ÷ y			/ \	12cm		
			/ \	(100)		
		8 -	/ \	(48°) x		
		-10 J	/ \			
4. Simplify the following	11:4	14. Estimate the area under the graph from x=1 to 4	11:16			
fraction:		3 •				
2 <i>x</i> 2		2.5		22. Find the size of the obtains and (1/2/2ef)	11.	1:28
x-1 $x+1$				23. Find the size of the <u>obtuse</u> angle 'x'? (3sf)		.20
		2 •			(55)	
		1.5				
		1		5cm		
				\x\		
5. Solve:	11:5	0.5		8cm		
5 2 4r		0				
$\frac{3}{x+1} + \frac{2}{x-1} = \frac{4x}{x^2-1}$		1 2 3 4 5 6 7 8				
$x+1$ $x-1$ x^2-1		A.F. Find a susting of the ground at the ground B/A. A) are a single with	11:18	-		
		15. Find equation of tangent at the point P(1,-4) on a circle with centre (-1,-2)	11.10			
		Cerrice (-1,-2)				

