Maths Key Skills			Stage 11: Skill Check 8			
Name:			Class	/Group:		
A: Number & Algebra		B: Algebra, Proportion, Geometry & Measure		C: Geometry & Measure & Statistics		
1. Simplify: √45 + √20	11:1	11. Make (y) the new subject of : xy + 4x = 6 + y	11:12	21. Work out the angle that XC makes with the plane ABCD. (correct to 3sf) X		11:26
2. Expand & simplify: $(5 + \sqrt{2})(5 - \sqrt{2})$	11:2	12. One solution for sinx = -0.2 is x =192 ⁰ . Use the graph to find another solution. 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.	11:14	A B C Scm		
3. If x=18 & y=12(both to nearest integer) Work out maximum value of: x + y	11:3	$ \begin{array}{c} $		22. Find the size of side 'x'? (1dp)		11:27
4. Simplify the following fraction: $2x^2 - x - 3$	11:4	14. Estimate the area under the graph above the x-axis	11:16			
$\frac{2x^2 - x - 3}{4x^2 - 9}$ 5. Solve: $\frac{x - 8}{x + 3} = \frac{x - 2}{x - 1}$	11:5			23. Find the size of the angle 'x'?(3sf) 9cm 10cm		11:28
		15. Find equation of tangent at the point P(-2, 5) on a circle with centre (5,3)	11:18			

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