1.	Simplify the following as much as possible.				
	(a)	$\sqrt{2} \times \sqrt{8}$			
				[2]	
	(b)	$\sqrt{5} \times \sqrt{5} \times \sqrt{5} \times \sqrt{5}$			
				[2]	
2.	(a)	Evaluate.			
		$4^{-2} \times 9^{0.5}$			
				[3]	
	(b)	Write $\frac{12}{\sqrt{3}}$ in the form $a\sqrt{b}$, where a and b are	e integers.		
		V			
				[2]	
	(c)	Given that $q = \sqrt{2}$ and $r = \sqrt{8}$, evaluate the	following.		
		(i) q^3r			
				[2]	
		(ii) \sqrt{qr}			
				[2]	
3.	Evalu	uate.			
	(a)	$\sqrt{3} \times \sqrt{12}$			
				[2]	
	(b)	$\sqrt{3}$ ÷ $\sqrt{12}$			
	4.3	(5)6		[2]	
	(C)	$\left(\sqrt{3}\right)^{6}$			
				[2]	

4.	(a)	(i)	Simplify.	
			$\sqrt{20} \times \sqrt{5}$	
			VZOAVO	
				[2]
		(ii)	Rationalise the denominator and simplify.	
			$\frac{20}{\sqrt{5}}$	
				[2]
	(b)	Cha	nge 0.403 to a fraction.	
_	0:	1.4		[2]
5.	Simp			
	(a)	$\frac{\sqrt{15}}{\sqrt{5}}$	· -	
				[1]
	(b)	$\sqrt{15}$	$x \sqrt{15} x \sqrt{3}$	
		_		[2]
	(c)	(√5	$+\sqrt{3}$) ²	

Simplify.

.....

[2]