1.	Express $\frac{6}{\sqrt{2}}$	$\frac{6}{2}$ in the form $a\sqrt{b}$, where a and b are p	ositive integers	
				(Total 2 marks)
2.	Rationalise			
		$\frac{1}{\sqrt{7}}$		
				(Total 2 marks)

3. Expand and simplify

$$(\sqrt{3} + \sqrt{15})^2$$

Give your answer in the form $n + m\sqrt{5}$, where n and m are integers.

4. Expand and simplify $(\sqrt{3} - \sqrt{2})(\sqrt{3} + \sqrt{2})$

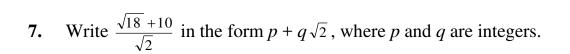
		1
5.	Rationalise the denominator of	$\sqrt{3}$

......(Total 2 marks)

6. Expand
$$(2+\sqrt{3})(1+\sqrt{3})$$

Give your answer in the form $a+b\sqrt{3}$ where a and b are integers.

......(Total 3 marks)



$$p = \dots$$

$$q = \dots$$
(Total 4 marks)

8. Expand and simplify

$$(2+\sqrt{3})(7-\sqrt{3})$$

Give your answer in the form $a + b\sqrt{3}$, where a and b are integers.

......(Total 3 marks)

ks)
····(2)
•

Expand and simplify $(2 + \sqrt{3})^2 - (2 - \sqrt{3})^2$ (b)

(2)

(Total 4 marks)

(2)