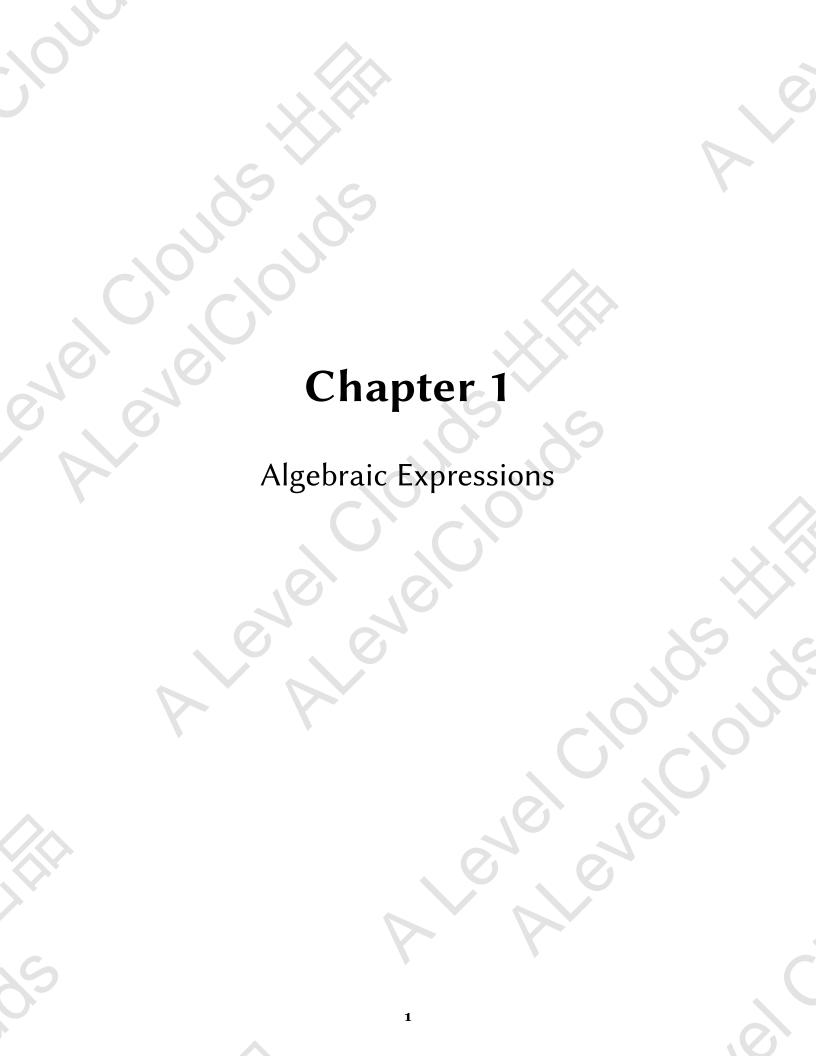
爱德思 Pure Mathematics 1 分类真题 2014-2022 册

A Level Clouds 出品

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Answer this question without	the use of a calculator and show	all your working.
(i) Show that		
	$\frac{4}{1} = 2\sqrt{2}(2 + \sqrt{3})$	
\ C ₂	$\frac{4}{2\sqrt{2} - \sqrt{6}} = 2\sqrt{2}(2 + \sqrt{3})$	
		(4)
(ii) Show that		
V	$27 + \sqrt{21} \times \sqrt{7} - \frac{6}{\sqrt{3}} = 8\sqrt{3}$	
	$\sqrt{3}$	(3)
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Without using your calculator, solve	
$x\sqrt{27} + 21 = \frac{6x}{\sqrt{3}}$	
Write your answer in the form $a\sqrt{b}$ where a and b are integers.	
You must show all stages of your working.	(4)
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