2	A particle <i>P</i> is moving along a straight line, which passes through the fixed point <i>O</i> .	
	At time t seconds $(t \ge 0)$ , the velocity, $v \text{ m/s}$ , of P is given by	
	$v = t^2 - 3t + 4$	
	At time t seconds the acceleration of P is $a \mathrm{m/s^2}$	
	(a) Find an expression for $a$ in terms of $t$	
		(2)
	The displacement of $P$ from $O$ is 7 m when $t = 2$	
	(b) Find the exact displacement of $P$ from $O$ when $t = 4$	(5)
*****		



	Question 2 continued
AREA	
VTHIS	
NOT WRITE IN	
DOA	
Ø.	
S AREA	
<b>E</b> 4	
WRITEIN	
NOT	
DO	
<b>A</b>	
IS ARE	
DO NOT WRITE IN THIS AREA	
WRITE	
NOT	
DO	
	(Total for Question 2 is 7 marks)

