	the speed of <i>P</i> is <i>v</i> . When the length of the string is $\frac{3}{2}a$ , the speed of <i>P</i> is $\frac{1}{2}v$ .	
(a)	Find an expression for $v$ in terms of $a$ and $g$ .	]
(b)	Find, in terms of $g$ , the acceleration of $P$ when the stretched length of the string is	$3\frac{3}{2}a$ .