Question number		Answer			Notes	Marks
7 (a)		ANY THREE vibration / oscillation of (air) molecules / particles; longitudinal; directions of vibration and propagation are parallel; compression / rarefaction /pressure wave;			need to include what is vibrating no need to mention molecules / particles	3
(b)	(i)	0.01 s			ALLOW 2 s.f. / 2 sig figs / 2 significant figures	1
	(ii)	speed = distance / time			ACCEPT equivalent rearrangement ACCEPT suitable abbreviations e.g. s = d/t or v = s/t REJECT equation 'triangles' alone	1
	(iii)	Student Andrew Kefe	Mean time in s 0.45 0.5	Speed of Sound in m/s 330 300	<pre>1 mark each correct COLUMN (ignoring sf);; mean time values as shown in mark scheme speed = 150/mean time (allow ecf) 1 mark for all significant figures correct; (i.e. 2 s.f. in first row, 1 s.f. in second row)</pre>	3