Question number			Answer	Notes	Marks
8	(a)	(i)	acceleration = change in velocity / time;	allow rearrangements and standard symbols e.g. a = v-u / t, a = Δv/t, a = Δv/Δt	1
		(ii)	substitution; rearrangement; evaluation; e.g. 1.2 = (35 – 26) / t t = 9 / 1.2 (t =) 7.5 (s)		3
	(b)		any four from: MP1. frequency increases; MP2. due to Doppler effect; MP3. idea that car behaves as the source of the (reflected) waves; MP4. (reflected) wavefronts closer together; MP5. (reflected) wavelength decreased; MP6. speed (of waves) stays constant;	allow "waves become bunched up" allow quotation of $v = f \times \lambda$	4

Total for Question 8 = 8 marks