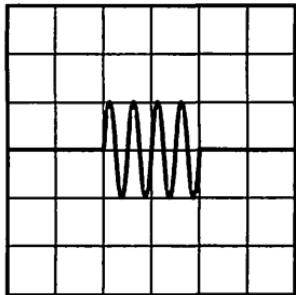
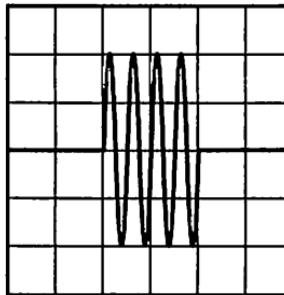


- 15 The diagram shows the traces on the screen of a cathode-ray oscilloscope (c.r.o.) produced by three sounds X, Y and Z. All three sounds are of the same frequency and duration.

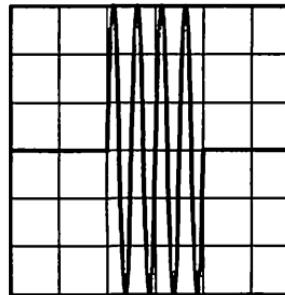
sound X



sound Y



sound Z



Sound X has an intensity  $I$ .

What are the intensities of Y and Z?

	Y	Z
A	$I$	$I$
B	$\sqrt{2}I$	$\sqrt{3}I$
C	$2I$	$3I$
D	$4I$	$9I$