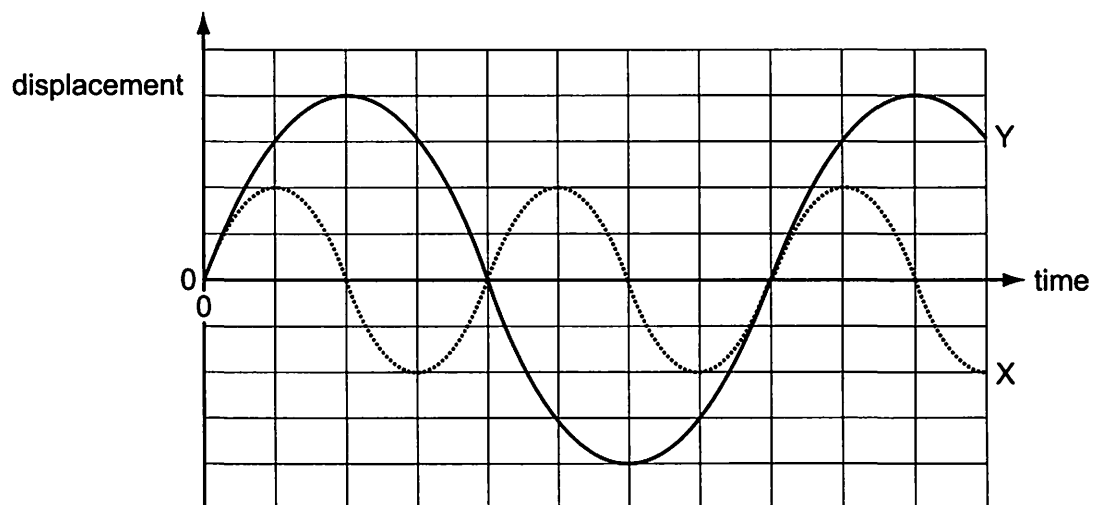**17** The graph shows representations of two transverse waves.

Wave X has frequency f and intensity I.

What are the corresponding values of frequency and intensity for wave Y?

	frequency	intensity
A	$\frac{1}{2}f$	$2I$
B	$\frac{1}{2}f$	$4I$
C	$2f$	$2I$
D	$2f$	$4I$