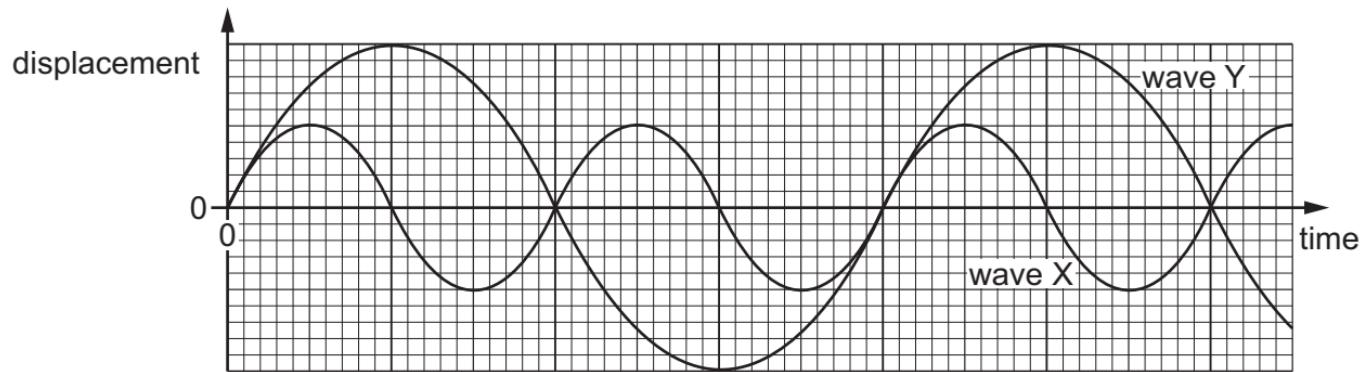


22 The graph shows the variation with time of displacement for two different waves X and Y.



Wave X has frequency f and amplitude A .

What is the frequency and what is the amplitude of wave Y?

| | frequency | amplitude |
|----------|----------------|----------------|
| A | $\frac{1}{2}f$ | $\frac{1}{2}A$ |
| B | $\frac{1}{2}f$ | $2A$ |
| C | $2f$ | $\frac{1}{2}A$ |
| D | $2f$ | $2A$ |