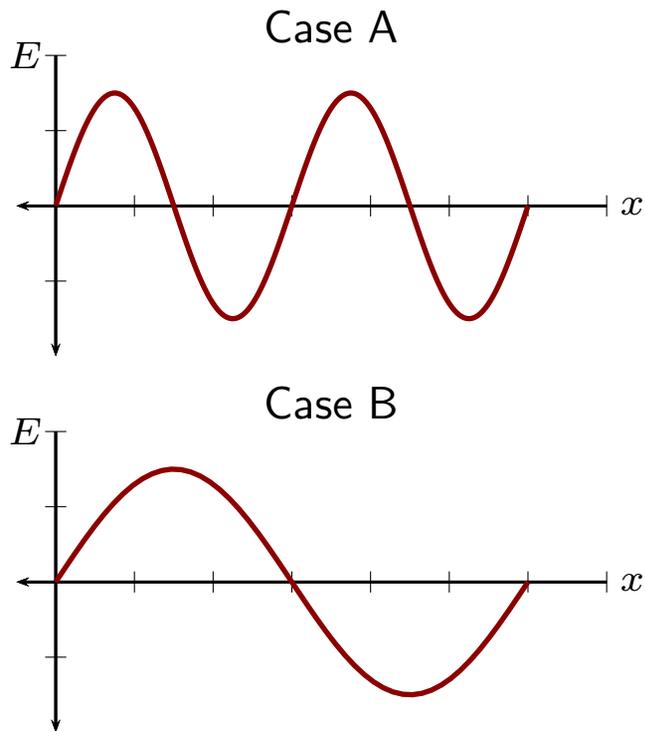


# Question 1

Two waves are illustrated at one instant. These wave patterns travel to the right with the same speed.

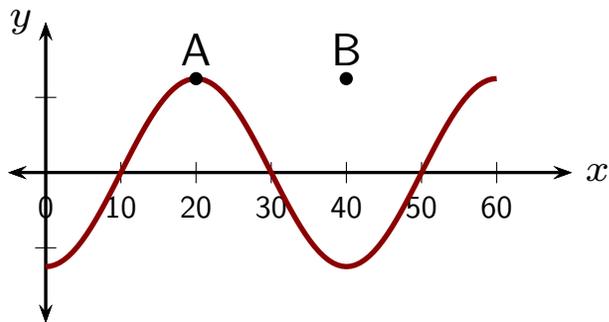


Which of the following is true regarding the frequencies of the waves?

1.  $f_B = \frac{1}{2} f_A$
2.  $f_B = f_A$
3.  $f_B = 2f_A$
4. None of the above/not enough info.

## Question 2

A wave is illustrated at one instant. The crest at A takes 0.10 s to reach the point labeled B.



Which of the following best represents the frequency?

1.  $f = 0.10$  Hz
2.  $f = 0.20$  Hz
3.  $f = 1.0$  Hz
4.  $f = 5.0$  Hz
5.  $f = 10$  Hz