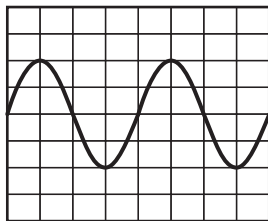


21. The output from a signal generator is connected to an oscilloscope. The trace observed on the oscilloscope screen is as shown in the diagram.



The frequency of the signal from the signal generator is now doubled.

The amplitude of the signal is unchanged.

The Y-gain setting on the oscilloscope is unchanged.

The timebase setting on the oscilloscope is changed from 1.0 ms/division to 0.5 ms/division .

Which of the following diagrams shows the trace that is now observed on the oscilloscope screen?

