Mathematics of Sound Waves I

1. On an 86° summer day, the speed of sound is 349 m/s. How far will the sound made from lightning (referred to as thunder) travel in 5.0 seconds?
2. The dominant frequency of thunder is 100Hz. Compute the wavelength of a 100 Hz thunder “clap” if the speed of sound is still 349 m/s.
3. On a colder day, the same frequency of thunder will have a different:
4. frequency B) speed C) wavelength D) category

Mathematics of Sound Waves I

1. On an 86° summer day, the speed of sound is 349 m/s. How far will the sound made from lightning (referred to as thunder) travel in 5.0 seconds?
2. The dominant frequency of thunder is 100Hz. Compute the wavelength of a 100 Hz thunder “clap” if the speed of sound is still 349 m/s.
3. On a colder day, the same frequency of thunder will have a different:
4. frequency B) speed C) wavelength