Quiz #2 Ch17

Name: ID#: Sec#:

Q1 As truck approaching a stationary sound source with speed of 40.0 m/s, the driver hear a frequency of 118.2 Hz. After the truck passes the source the driver, hear a frequency of 88.2 Hz. What is speed of sound?

…………………. (1)

………..…………. (2)

By dividing eqn. (1) by eqn. (2) we get

(This is not a real answer. Actually, I did my calculation assuming the truck speed=50 m/s)