

HW28a

Sunday, December 11, 2016 8:49 PM

1.

$$x = L_1 \left(1 - \frac{f_1}{f_2} \right)$$

$$x = 8.26 \text{ cm}$$

2.

$$105 \text{ Hz}$$

$$157 \frac{\text{m}}{\text{s}}$$

3.

$$172 \text{ Hz}$$

$$86 \text{ Hz}$$

4. constructive