PHYS 1406

We have the sound in air 2 3 40 m/s

V 2 3 40 m/s (at room 5econ temp. 70° F 2 25)

Math review:

$$\frac{1}{2\pi T} = 0.159 (1-2) + 17$$

$$2 \div (3/2) = 4$$

$$\frac{2}{1.5} = 2 \times 2 = 4$$

$$\frac{3}{2} = 1 3 3 3$$

$$V \approx 340 \text{ m/s}$$
 (at room second)
 $V \approx 1000 \text{ ft/s}$ temp. $70^{\circ}F \approx 25^{\circ}G$)
ath review:
$$T = 3.14$$

$$\frac{1}{2\pi} = 0.159$$

$$(1 - 2) \times T = 1.57$$

$$1 - (2 \times T) = 0.159$$

$$2 \div (3/2) = 4$$

$$2^{4} = 2 \times 2 \times 2 \times 2 = 16$$

$$10^{3} = 1000$$

$$10^{-2} = \frac{1}{1000} = \frac{1}{10^{2}}$$

$$g_{1}g_{1}g_{2}g_{3}f_{4}e = 1000 \text{ megabyte} = 1000 \times 10^{6} \text{ byte} = 10^{9} \text{ byte},$$

$$\frac{1}{1000} = 1000 \text{ m}$$

$$\frac{1}{1000} = 10^{6} \text{ bit}$$

Millise C = 10 5cc = 1000 sec

5 cycles 10 sec f= # cycles o MM M No sec time interval 0,5 Hz 5 cycles To Zsec = time for leyle f = loyele S. F. = 440 Hz A. Concot T = 0.0023s = 12,3 ms

5-4717

7214 = 1.09

6.6.

9/13 oscillation period T frequency: F= # cycles
time interval Frequency (period) - Pitch

Amplitude - Volume or
loudness,

Waveshape - timbre Amplitude: A Wave shape / Wave form

