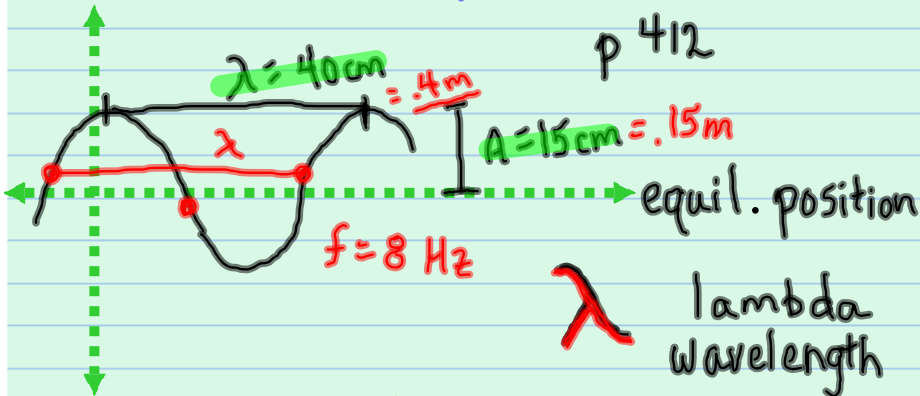


Ex 13.8 # 30  
 Ex. 13.9, 13.11, # 37, 39



$$T = \frac{1}{f} = \frac{1}{8} \text{ s}$$

$$v = f\lambda = 8(0.4) = 3.2 \frac{\text{m}}{\text{s}}$$

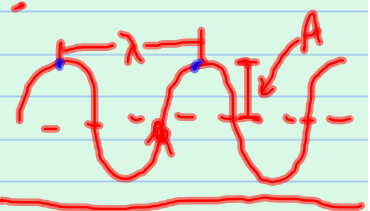
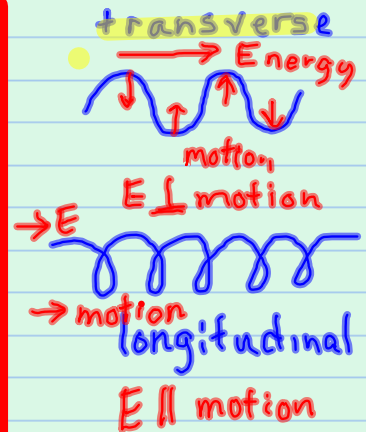
13.11 p 412

$$f = 99.9 \text{ MHz} = 99.9 \times 10^6 \text{ Hz}$$

$$\lambda = 3 \text{ m}$$

$$v = ?$$

$$v = f\lambda = 99.9 \times 10^6 (3) = 3 \times 10^8 \frac{\text{m}}{\text{s}}$$



$\lambda$  wavelength  
 in m  
 $v$  speed of a  
 pt. on wave

$$v = f\lambda$$