Question
$$q$$
:

$$\frac{1}{2} KX_{1}^{2} = \frac{1}{2} mV_{1}^{2}$$

$$V_{1} = \sqrt{\frac{KX_{1}^{2}}{m}}$$

$$\frac{1}{2} V_{2} = \frac{1}{2} mV_{2}^{2}$$

$$V_{2} = \sqrt{\frac{KX_{2}^{2}}{m}}$$

$$\frac{1}{2} V_{2} = \sqrt{\frac{KX_{2}^{2}}{m}}$$

Question 10

(a) mysin
$$\theta$$
 - f = Id
 $fr = Id$