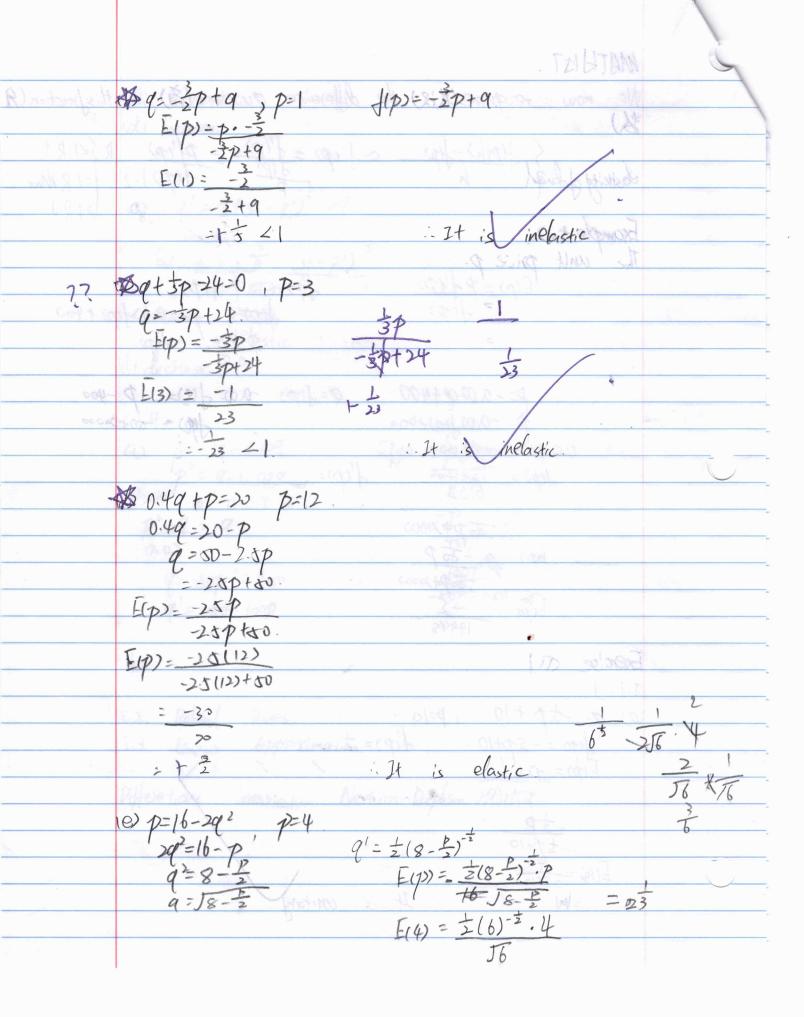
MATHET. We now recognize(ikiz) the difference quotient (萬) in this fraction (自 Q=f(p) -0.02 f(q)= p-400 Exercise (1)



(e) 
$$p-1b-2q^{2}$$
  $p=4$ .

 $2q^{2}=16-p$ 
 $q'=8-\frac{1}{2}$ 
 $q=58-\frac{1}{2}$ 
 $p=144-q^{2}$ 
 $p=48$ 
 $q'=\pm(144-2p)^{2}$ 
 $p=144-2p$ 

$$4) 2p = 144 - 9^{2} \cdot 1 - 48 \qquad q' = \pm (144 \cdot 2p)^{\frac{1}{2}} \cdot 2$$

$$q' = 144 - 2p \qquad E(p) = P(\pm (144 - 2p)^{\frac{1}{2}}) \cdot 2$$

$$q = \sqrt{144 - 2p} \qquad E(8) = -1 \qquad \therefore 24 \text{ is inelastic}$$

$$E(18) = -1$$
 .: It is inelastic

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$$q = 45 - \frac{1}{5}p^2$$

$$q = -\frac{2}{5}p$$

$$q = 4t - \frac{1}{5}p^{2}$$

$$q' = -\frac{1}{5}p$$

$$= -p \cdot -$$

$$\frac{-\frac{3}{12}}{\frac{1}{100}} = \frac{-10 - \frac{2}{100} \cdot 100}{\frac{2}{100}} = \frac{-10 - \frac{2}{100} \cdot 100}{\frac{2}{1000}} = \frac{-10 - \frac{2}{1000} \cdot 100}{\frac{2}{1000}} = \frac{-10 - \frac{2}{1000}}{\frac{2}{1000}} = \frac{-10 -$$

=- b inelastic

(b) 
$$E(p) = -p \cdot -\frac{1}{5}p$$
  
 $1 = -p - \frac{1}{5}p$   
 $225 - p^2 = -5p^2$   
 $1 = -p - \frac{1}{5}p$   
 $225 - p^2 = -5p^2$   
 $225 - p^2 = -5p^2$