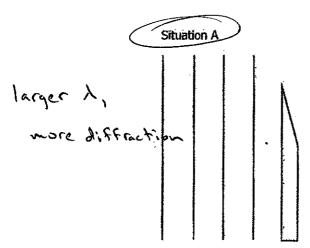
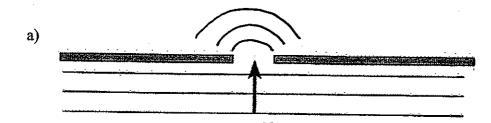
Waves Worksheet #7

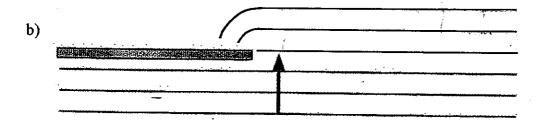
1. The diagram below shows two different types of water waves approaching a sharp edge. Which type of wave will show the greatest diffraction: the waves in situation A or the waves in situation B?

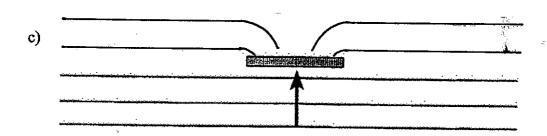




2. Draw the diffraction pattern for the following situations involving waves in a ripple tank:







3) 200 m (larger) = more diffraction) λ₂= χ₁ ξ₁ $\lambda_{i} = \lambda_{i}$ = 345 = 340 392 ٨, = ١.١6 λ₂= 0.87 m D note will diffract more sonce it has the larger). This will make it ensier to hear clearly. 3 610 nm, since it his the larger).