13 200 HW#4 Gind potion of Melwa 9.0M & 8.6M Earthquake $M_2 = 10(\log M_2 - \log M_1) = 10^{9.0 - 8.6} = 10^{-4} = 2.5 = \frac{M_2}{M_1}$ 2) find En/E, blu 9.0M & L. 6 M Earthquetel $E_2 = 10^{1-5(9.0-8.6)} = 10.6 = 3.981 = \frac{E_2}{E_1}$ a 9.0 M earthquide has 3.981 times the energy of an 2.6M sathquake