May 15

Slope as Rate of Change

P.407 Slope as Rate of Change MAY15 (1) Gren: At hirth 51 we whale 32 15 7 m long. At seven months, 4 1 5 even months, 4 1 5 m long. Find the rate of change M= Dy = y2-y1 = 15-7

No whole are overage = 3 = 1.14

SF 1.14m/minth

(7) Given: 1971, 323' 000 FTS FT S/year 1997, 544 000 FTS X2, 544 000 FTS tind rate of change $M = \frac{\Delta y}{\Delta x} = \frac{\sqrt{2} - \sqrt{1}}{\sqrt{2} - x_1} = \frac{544000 - 323000}{1997 - 1971}$ = 221000 = 8500. 26 : Every lear 8500 more students guin.

(10) Given y Sales 26.4 54.4 0 Millions) Find rate of change 1971 - 1981 $M = \frac{\Delta y}{\Delta x} = \frac{72 - y_1}{x_2 - x_1} = \frac{54.4 - 26.4}{1981 - 1971} = \frac{28}{10}$ During the period of 71-81 = 2.8 million LP sales increased by 2.8 mil page 401#46) 3 thin 3 10 (4) Given M = 492-9

HOMEWORK > Second box up to (and including) Dauestions or the back of the pink sheet