by Central Limit mearem. distribution is approx vorma T.TRUE. is the probability. V.21 (t) = 1000 = 5/6 P. (T.7,1) Currol Limit movem P(27/10)/5/0 P(27/095)

Problem 3

$$P(x > a) \leq \frac{E[x]}{a}$$

ince [[x]-28

Markey

grun P(x7, a) 7, ma 0.90

=7. P(x 7/a) < 1-.9

18. < 0.10

a = 1280 orders

chebysinen

P(x >, 62) & E[x)

6 (1x-E[x] > 10 = 10x (x)

don 6(1x-E[x]/2/2) 2, 0.00

NO(CX) 7 0.10

16/02 6 0.10

10 = V160 10 = (12.65 Prodem 4

Problem 5

J moren