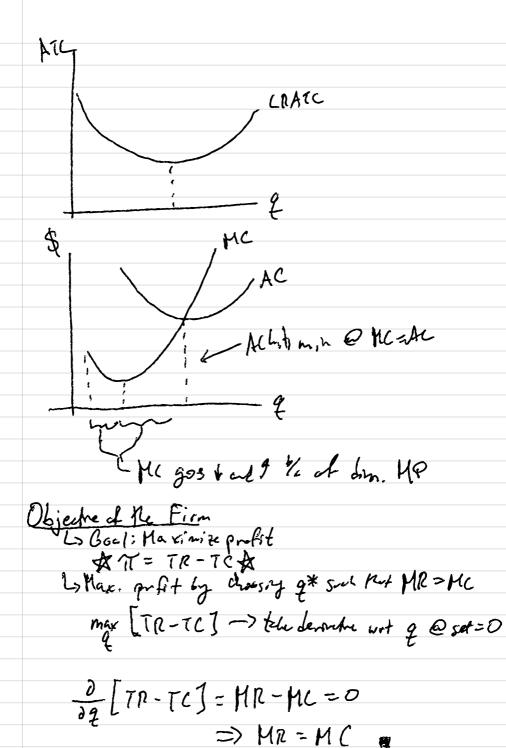
Dyla Blad ECON 2316 Ledre 17: Firmy & Perked Compather Sutting Down in Me SR: Produce as long as PZAVC & fixed costs on TRSTVC & fixed costs on Sunda If PSAVC bit PKATC, we still produce becaye he minimize an loss MC cab in our control Chays in Averye Costs - Economies of scale - average cato therege in q

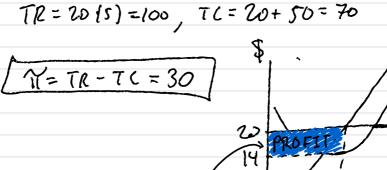
cover our variable costs, so in the Short na, we cover all - arene cab decress in 9 - Learning by daing - AC come ship tom Direcon al scale ofsan



Magni racine (DIR)
- Departs in marlet studie Magnet cost (3th) - Don not depend a Structure TC(E) titu cont R(9), total rune _ Oslest When HR FAC, Il asiR are getty closer together meany TR-TC=TT Perfect Competition Lo 3 assurpting - equal / free entry - Proce felices - But is prober - probert homogently

MR=P=D Dered for a firm in perfect competition To Summeri El: - firm dend -> MR = P - Profit maximizes @ MR=HC - firm's supply core where qs is a finder of -P=HR =D

$$MC = \frac{\partial TC}{\partial q} = 4q \implies q^* = 5$$



MC=44

ATC

A=6.5=30

More generally: we take MC = 44, we also know MC = P -> one firm's supply corve: quantity or a funt of 45=f(P) => P=44 $\Rightarrow q^3 = \frac{P}{q}$ w/loo idutical firms: Q=nq5= 100P= 25P Back to the Shutdown: La fine slip down in the SR if it comed one & Lis firm supply come is portion of MC Neve MC>AVC firm supply corne

Shoft in the SR-supply come Ex. marginal cost of production increase Producer Surplus Produce Suply-Sum of diff behan month porce and margined wort PS = TR - VC

PS=TR-VC = (P-AVC). 2 = area between PBHC up to q Prostre: TC=50+2q2, P=40 -> What is one firm's PS? MC MC=42