1 Book Notes Sunday, January 10, 2021 8:09 PM APPly mechaliconomic tools "systematically to problems faced by Firms and their managers" cappiled microeconomic analysis underpins much of the information won which business students will base professional decisions" must use good sources well The boal of the firm (and Its Management) Firms procure furth and Produce outputs サニルーと 4 brotherne Who Claring Profit (resisted revenue)?
4 The Firms shareholders are the residual claimants E(all shares) = expected present Value 9f all Future Agrity showeholders want money and will seek to provide their orgents (firm management) with incentives to maximize HERVITER

HELLING

HE PY: FY/(1+1)t 7discounts FV buckuard Example: EN=BACIFFE
L=1020 BA=\$1 F=3 EN=5 En = 1(1.1) EV = 1.331 61-102 EN (1+1)5 61-102 EN (1+1)5 6-103 ENS Tt = Nature of It after Perford t 5+- (1+Wf Example;
Th=-124 TT=-21 Tt=>>2 TB=45 N=8% NPV=3 4 NPV=-124 + 36,1 + 72/108 + 45/1083 -- 2.10 Information Structure who knows what 3 types: Complete and vertect information Everyone knows ederything Simple risk and uncertainty risk: everyone shares estimates of probabilities of each Uncertainty: When there is not enough information to determine the amount of risk
Subjective probability: estimate risk sused an personal knowledge Asymmetre Information Pearle now different amounts of information This can lead to two forms of market fullure... Adverse Selection: When someone has information about inherent market Characteristics that others dark have moral hozard: Someone has information about an action they've taken that others can't do and are therefore shielded from consequences Expected value and antifudes founds risk Certainty equilibrations (co) Et = overage autome over many sterations ?= Outcomer Endex Estanopilità de s Estanopilità de s Expected Value of & E(x)= Ef; X: Prosinglity that x takes on the specific value of x: Example! で、ラマメ、ラリロ こっと メッマー100 かってはからった かん かんはっしめかって 51-001-15. + 04.4. = 1x) 79 = (x) 31= (x) Ct of a lattery is the sum of money for certain that is viewed as exactly equivalent to the lattery risk rentral Lizk anoize risk rentral Expected Present value and the value of the firm Assure Firms are risk rentral Oversity stacks to behance out visit Expectes prosent value (EM) EA1= 5 [ 2: Fix X: [ / (1+1)6 Example: your one: .4 for 100, -200 Your two: .7 For 400, -200 r=74. PEV = [.4.100 + .6.-200]/1.07 + (.).400+.3.-200)/1.072 PEV = -74.76 1-192.15 =117.39 Value of Information - Part 11 - Yesma decisions Value at petter Externation is bertect Externation 5-Success F-Engluse 17-Payoff Decision proes... Example: Pr(5)=.5 Tiz=100 Tt==-60 TT=? E(H/NoInfa) = Max((Pr(5) + Pr(F) Th), a) E(H/No Infa) = Max((S(100) + S(-605, a) E(17/Na Infa)=~~xx(20,a)=20 nont proceed in a Proceed -5 100 3.5(100)-.5(60) = 20>0 Significant Chance of Failure More math! Marginal revenue and marginal Cost Lyat Maximum M. Me-mc Perfectly competitive mancets Vses and Limits of Madels madels don't tell the whole stony