Macro Quiz

Dalton Rothenberger Bonns of \$5000 spent \$2000 MPC = 2000 = = = 0.4) 2) (=i-76 == 3% TT = -2% OH (S-1) = (-2) 18/34 - 34/4 - 34/4 [r= 5%] i= 3% Ne = -2% t = 20% $V_{a-t} = (1-0.2)3-(-2)$ 3 xxxxxx = (.8)3 +2 = 4.4% 4) Pu = \$500 d= 25% i=6% T=5% r=i-7 W = (r+d)px r= 1% UC = (0.01+0.25) 500 5) V=\$5million K=1000 Px =\$4000 = (1000)(4000) J=1,25 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 The firm should invest because 9>1 which means V>PKK 6) PV= 100,000 i=5% n=15 =\$207,892.82

7) FV=5,250,000 i=4% n=30 PV = FV = 5,250,000 = \$1,618,673-01/ 8) ex= 10,000 d=16% r=4% t=20% MPK= (r+d) px = (0.0n + 0.16) 10,000 = \$2500) (1-t) (1-0.2) 0 0 7 19000 1 10000 > 15,000 2 25000 st 5 machines 3 35000 > 5,000 because that is when 4 40000 > 2,500 MPK = \$2500 42500 9) K=\$5,000 billion It =\$1750billion d=20% Not Investment = It - dkt = 1750 - (0.2) (5000) = 1750 - 1000 1= \$750 billion 10) Kt = 10 million Kt+1 - 14 million d= 40% Kttl - Kt = It -dKt 15-10 = IE - (0.4)(10) 5 = It -4

\$ 9million = It 11) $\rho_{K} = 15000$ $\lambda = 25\%$ i = 5% $\gamma = 10\%$ r = 5 - 10 $\mu = (r+d) \rho_{K} = (-0.05 + 0.25) 5000$ r = -5%uc = (rtd) px = (-0.05 + 0.25) 5000 = \$1,000

12) CA140 Cof 220 10 = 4% = 140 + 220 1+0.04 = 351.54 C = 160 cf = 260 PVLC = 380 13) PULCEC + for Tr= 0.18 = 18% Ex (r) Px=1500 d=15% r=10% MPK = (r+d)Px = (0.1+0.15) 1.500 = \$375 MPK= 1000 - 10K 375 = 1000 - 10K -625 = -10K 62.5 = K -> 162 = K uc=\$375 1000