

e) Discourages. Worker @ BB is taxed @futher income.

27 × oplimal

3 a) 
$$(.5)(10,000+6400)=8260$$
  
 $U_{e}=.5(1n101+1n6400)$   
 $U_{e}=CE=8022.46$ 

e) 
$$E = \ln(1-x)u) + \ln(2ux) + \ln(\frac{xu}{2})$$
  
 $= \ln(1-x) + \ln(\frac{x}{2} + 2\ln x)$  2  
 $dE = \frac{1}{1-x} + \frac{1}{x}$ 

9) 
$$0 = 36 \dots = \frac{1}{2}$$
  
5)  $0 = 36 \dots = \frac{1}{2}$   
(1) = 150,250;  $\sqrt{160k'}(.9) + \sqrt{62.9k'}(.1) = 385$ 

Takes deal ble tisk averse

$$.72(1600) + 900(.02) + .18(1600 - 350) + .08(900 + 350) = 1495$$

$$E_{0:ns} = .72\sqrt{1600} + .02\sqrt{900} + .18\sqrt{1250} + .08\sqrt{1250} = 38.59$$

$$NO$$

$$d)39 = .72\sqrt{1600} + .02\sqrt{900} + .18\sqrt{1600} - x + .08\sqrt{1250}$$

$$X = 184.75$$

$$O = 1(1-0) + P_{W}D$$

$$\frac{-1-0}{9} = P_{W}$$

$$b) O \left[500 - x\left(\frac{1-0}{9}\right)\right] = (50+x)(1-0)$$

$$X = \frac{25-2750}{9-1}$$

$$C) X(.6) = 350$$