| Quiz | D: | 4/1 | 1/ | 12 |
|------|----------------------|------|-----|----|
| Vull | $\boldsymbol{\nu}$. | T/ 1 | 11/ | 14 |

Name & Time KeG

Quiz: Suspend Campaign Company has a current stock price of \$40. For the next two years, Suspend's stock price will either rise by \$5 per share or fall by \$3 per share.

a. Set up the calculations needed to determine the value of a <u>call</u> today with a strike price of \$40 if the risk-free interest rate is 2% per year and is not expected to change.

b. Set up the calculations needed to determine how many bonds would you need to buy or sell a year from today if Suspend's stock price rises by \$5 per share next year?

Note: Bonus WSJ Questions on back of page 90=40+5=45; 9d=40-3=37 You = 40+5+5=50) 900=500=40+5-3=42; 500=40-3-3=35 K=40 Cou = 50-40=10; &cod = Cdu = 47-40-2; Cdd = 0 $\frac{t=\frac{1}{1000}}{\frac{1}{1000}} = \frac{1}{1000} =$ 41 (Cv = 45(1) -39.28) - 9.7843 Dd = 2-0 = 25 ; Bd = 0 (25)34 = - 83333 +1 (Cd= 37(.25) -8.3333 = 0.9167 $\frac{t=0}{100} = \frac{5.78(3-0.916)}{100} = 0.6085 | B = 0.916) + (.6085) | C = 0.916 + (.60$ 1) Change instaile: [-6085= +3915 > hus 3915 shares for 3915 (45)= 17.6175 +21=> short-sell 17.6175 of Londo or 2) Bends if do nothing = - z 1.5975 -7 charge in books = - 39.2157 - 1-21.59751) =-17./018 +2-7 short seel 17.418 of 6 seeds