| | Quiz B for 2:30 | Class: 9/11/13 | Name | Key | | |
|---------|--|----------------------------|----------------------------|--------------------------------|---------------------------------|--------|
| 011/10 | | What three things might | | | 4.44 | 1 6 |
| 195/75/ | | | | , | moves mure ul Max | KET |
| | Short Answer 2: Assume the risk-free interest rate equals 1% and that \$200 investment in the market might pay off \$245 one year from today and might pay off \$185 one year from today. These two outcomes are equally likely. Set | | | | | |
| | up the calculations required to determine the market risk premium. | | | | | |
| 45 | up the calculations required to determine the market risk premium. $ \left(\frac{1}{2}(245) + \frac{1}{2}(185)\right) = \frac{1}{200} + \frac{1}{2}\left(\frac{1}{200}\right) + \frac{1}{2}\left(\frac{1}{200}\right)$ | | | | | |
| 1 | 200 12 | | | | | |
| | Problem : Given the following information show how you could generate the <u>highest possible</u> arbitrage profit today. Be sure to list all individual transactions, the resulting cash flows from each transaction, and all total cash flows. Use | | | | | |
| | a "+" for inflows and a "-" for outflows. I will assume a "+" if you show neither. I recommend building a table. | | | | | |
| | Risk-free bonds: You can buy or short-sell any amount of risk-free bonds. The rate on risk-free bonds maturing in 1 | | | | | |
| | year is 1.5% and on risk-free bonds maturing in two years is 1.75%. | | | | | |
| | Risky securities: The prices and number of shares available at each price are as shown below. | | | | | |
| | Payments in one | | Payments in two | | | |
| | Security | <u>Bid</u> Price Number | <u>Ask</u> Price Number | year if economy is Weak Strong | years if economy is Weak Strong | |
| | Market | \$929 500 | \$931 200 | \$100 \$150 | \$900 \$1000 | |
| | van Gogh Inc. | \$985 300 | \$987 400 | \$50 \$100 | \$1000 \$1100 | |
| | Wall Street Journal Questions are on the back of this page. Eg talan both = Market - risk free bond that matures tes 450 in lyear + 1 sk free bond that matures tes 4 | | | | | |
| _ | 1 | what - coth | Mat Marchan | where for \$50 | inlyear + 11st fre | cho-ol |
| Co | 1-toVan (5094) = 111 | Mark wales les le | = \$1000 Zav | 9659 | / | |
| V | | that matrices to | 19.2 | 2 m | a lor | |
| A | htrage: Bug va | in bagh = -987 | +929 - 50 | + 100 = - | 10.67× | |
| | Short | an boll = +985 | -931 + 49 76 | - 96-59 = +6 | .67 V | |

CFI Trans (-50 x200 -1000 XZED -100 XTOO +5 Shortsell van bezh = - 70,000 =-10,000 (+1000) XZ00 (+100)x200 - 931) XZOO = -186,560 +150×200 +900 XZ00 xx by market = +200,000 =+180,000 =+30,000 =+20,000 (-50 x 200) =-0,000 *55hotsell (+50x200/1.015) 1 m Troason = +9852 -20/200 =-10,000 15 by 2-w reamy (-100 x 200/(1.075)) H00X200 +20,000 =+20,000 +1374 TOTA