Quiz B for 1:15 Class: 7/11/12

Name Keg

Assume that you can buy or sell the following securities:

		Payoff one year from today if the economy is:		Payoff two years from today if the economy is:	
Security	Price Today	Strong	Weak	Strong	Weak
TaxCut	\$240	\$40	\$20	\$350	\$150
Market	\$100	\$20	\$10	\$150	\$50

Assume also that you can buy or short-sell risk-free bonds that mature either a year from today or two years from today for whatever amount you chose. The return on these bonds is 3.5% per year.

- a. What investment in the market and risk-free bonds will generate cash flows identical to those generated by TaxCut?
- b. Calculate the no-arbitrage price for TaxCut?

Note: Feel free to answer parts "c" and "d" with a table

c. What set of transactions today will generate an arbitrage profit today?

d. What cash flows (each trade and total) will your transactions produce today, a year from today, and two years from today? Note: Use a "+" for inflows and a "-" for outflows.

Buy Z Market, buy bonds that Mature for SD n ZWS

b. ZX100 + (1.035) = Z00 + 46. bX = Z46.676

ct d

for ST Table + 1503

Trahs - 240 + 403 + 700 +