Quiz	$\mathbf{B}$	for	4:00	Class:	8/29/12

Name Key

Assume that you can buy or sell (or short-sell) any of the following securities:

Risk-free bonds: bonds that mature one year from today earn 2.5% per year and bonds that mature two years from today earn 3.5% per year.

Risky securities:

		Payoff one	year from	Payoff two years from today if the economy is:			
		today if the	economy is:				
Security	Price Today	Strong	Weak	Strong	Weak		
Private Buy	\$650	\$50	\$0	\$1200	\$200		
Market	\$500	\$70	\$20	\$1000	\$0		

What set of transactions today will generate an arbitrage profit for you today. In your answer list all transactions required today and all individual and total cash flows today, a year from today, and two years from today. Use a "+" for an inflow of cash and a "-"for an outflow of cash. Note: I recommend setting up a table like is in the notes, but this is not required.

Equivalent to private: Buy market + short-sell a bond that that matures for 20 in one year + buy a bond that matures for 200 in two years 19512 186.702 matures for 200 in two years 1200 = 667.19

No arbitige price = 500 - 1.025 (1.035)2 Trans(t=0) Bry Private +3 Short Market Short-sell bond +3 +3 that matures for +186.702 1200 in tooyears.