## Quiz A for 4:00 Class: 8/29/12

Name Keg

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	\$250	\$70	\$20	\$500	\$0
	Market	\$500	\$50	\$0	\$750	\$250

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.

Wall Street Journal Questio	ns are on the back of	this page.			1
Egypalent to Private for \$20 in one	te: Buy mar	ket + bushort-sell	bond bond	that materials	ures tos
				0' - 7	8/2.12
No arbitrage	price=50	CF1	C1.0	D (分)2-2	. 00
Transle=0)	CFo +3	5 +3	W +28	+500	
+3 Buy Murate	-250 +500	+107	ot3	-750	-250
+3 Short Market	+3 +19,512	- 70	-23	6	\$
+3 Short bond that matures for 20 in one year	111,710	+3		+3	+750
By bond that Matures Cost 250	+3 -733.378	Ø	Ø)	7 650	d
matives tor co in two years	+36.134	Ø +	3	+	3