## **Quiz A for 2:30 Class: 1/26/13**

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 1.3% per year and bonds that mature two years from today earn 2.4% per year.

## Risky securities:

			Payoff one year from		Payoff two years from	
	Prices Today:		today if the economy is:		today if the economy is:	
Security	Bid	<u>Ask</u>	Strong	<u>Weak</u>	Strong	Weak
Second Apple	\$760	\$765	\$350	\$50	\$1100	\$100
Market	\$275	\$280	\$150	\$0	\$500	\$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.

## Wall Street Journal Questions are on the back of this page.

Eq. pottfolo = 2 maket + |V(500t=1)| + |V(1000t=2)  $V(1.ce+0) = 2x280 + \frac{50}{1.013} + \frac{100}{1.024} = 704.73 = 760$ Phile to sell = 2x275 + 50 + 100 - 694,73