	EXAM: FINANCIAL MARKETS AND INSTITUTIONS (JAN-FEB23-2) - 90 minutes	1
SOLUT	TIONS	
	A) MULTIPLE CHOICE QUESTIONS (1 point each, no penalties, at least 5 to pass)	
1	Considering mortgage loans, typically the level of fixed interest rates offered, compared to floating ones: a is higher	
2	Which of the following experiences larger impacts from sudden and wide changes in interest rates? c growth stocks	
3	Which of the following markets typically shows larger volumes? d money markets	
4	What is the main difference between venture capital and private equity funds? b their target firms	
5	The Sharpe ratio, in the case of mutual funds, allows comparisons based on a risk-adjusted returns	
6	Insurers typically invest their largest share of assets in b bonds	
7	Duration is a quick but effective measure of b interest rate risk	
8	The EUR/USD exchange rate is 1. After a while, the USD appreciates. Therefore: c The USD/EUR exchange rate is below 1	
9	Which of the following is an example of moral hazard? c A firm uses a mortgage loan's money to pay higher dividends	
10	10 futures exist on a specific underlying, 1 expires, 2 are terminated, and 4 are sold to other participants. Therefore: b the open interest went from 10 to 7	
	B) OPEN QUESTION (10 points, check your handwriting and don't exceed the space below)	
Descri	ibe how the income statement of a commercial bank differs from an investment bank.	
By ma	ainly issuing loans and deposits a CB obtains a significant share of income from interest margins.	
This is	s not the case for IB. A CB frequently provides services, and even more of this is done by IB: the service	
margi	in is relevant for both. CBs do little proprietary trading compared to IB: the trading margin is therefore mo	ore

C) EXERCISE (10 points, briefly explain your calculations and don't exceed the space below

relevant for IB. CBs need also to consider loan loss provisions, that IB have little concern about. A traditional CB also needs physical networks more than a IB: amortization is therefore significant. Finally, an IB has fewer employees than a CB (in relative terms), but are typically paid higher salaries: the role played by this expense is

Consider this order book for a stock. Then these occur: A) no-limit order of purchase for 10 stocks; B) limit order of sale for 20 stocks at 15; C) limit order of purchase for 15 stocks at 16. What is the book after this, and how big was the cashflow generated by these operations?

then different.

BID		ASK		A) 5 sold at 15, 5 sold at 16 = CF 150	
Q	PX	Px	Q	B) no trade occurs	
10	13	15	5	C) all 15 sold at 15: CF 225	
20	12	16	10		
		i na mari	TOTAL CF: 3/5		