2b.

therefore, short position rises

You have \$5,000 to invest in Dewey, Cheetum & Howe (DCH) but want to maximize your return. The stock price 1a. is currently \$25. What is the maximum number of shares you could purchase buying on margin if the initial margin requirement is 50%? \$ 5000 nergin + \$5000 Margin (debit) = \$ 10000 total purchasing (your money - 50%) (50% loan (balance) = \$ 2500 share = 400

1b.

unt balance statement for the above transaction:				per share sh
Assets		Liabilities & Ad	ccount Equity	1
400 shares @ #25	hare \$10000	Margin Loan	\$5000	
		Account Equ		
Total:	# (0000)	Total:	\$ 10000	
		11-		I . of com.

If the price of DCH falls to \$17, what is your current margin? \$17 * 400 shares = \$6800 - value of security 1c. margin = (value of security - margin loan) / value of security

 $\frac{4800 - 5000}{6800} = \frac{1800}{6800} = 0.2647 \stackrel{\sim}{=} 26.5\%$

Construct an account balance statement for your account with the price of DCH at \$17: 1d.

Assets		Liabilities & Acco	unt Equity
400 shares e 17	# 6800	Margin loan	4 5000
		Account Equity	1800
Total:	\$6800	Total:	\$6800

Assuming the maintenance margin is 25%, will you have a margin call if the price falls to \$17? le. NO, but we are at 26.5% and we are very close to getting a margin call.

Because DCH has been such a dog, you decide to try shorting the stock. It is currently selling for \$10 per share. If 2a. you short 400 shares, what will be the proceeds from the sale of the transaction and how much will you need to

unt balance stateme	ent for the abov	e transaction:		Marg
Assets		Liabilities & Account Equity		dej
Proceeds esto per	res \$4000 share 4000	short 400 sho position e #10per	share \$4000	
Initial Margin Depos	sit \$ 2000	Account Equity	#2000	
Total:	\$ 6000	Total:	\$ 6000	

If the price of DCH rises to \$12, what is your current margin? 2c. margin = (margin deposit + proceeds from short sale - value of security) / value of security $\frac{2000 + 4000 - 4800}{4800} = \frac{1200}{4800} = 0.25 = 25\%$

Construct an account balance statement for your account with the price of DCH at \$12: 2d.

 Aggets		Liabilities & A	count Equity	. I stark ri
Assets 400 chares	411.000			therefore, short position
Proceeds 400 shares	re" 7000	position e \$12	perhare \$ 4800	- therefore, shore porise
Initial Margin Depo	s計#2000	Account Equity	\$ 1200	and and aguity
Total:	\$6000	Total:	\$ 6800	Account equity falls

Assuming the maintenance margin is 30%, will you have a margin call if the price rises to \$12? 2e.