,	UCLA, ENGILL	- Little	m		
	77411				89.4
	Name: Eldhe Shyu	0.67	ID#:		100.
	1. (15 points) Company X is finar and 50% by debt and equity res	pectfully. Y has twice come per dollar in sale	e more sales per es compared to	dollar in its assets	compared to X.
	a) As an investor, which number to Y? As an investor, I was a conceptor, I was a conceptor.	would you be more	interested in? W	hat is that number	for X compared
	Dared on the Department 1+1=2 For company Y. of X. Y:2(2)(1.	TAT For Y 15 ?	2x that of X	, and Profit r	vergin is 1,2k that
	2,87x greater than	,			1/7
	b) Based on only the information	given in the question	, which company	y would you invest o	on? b=x's PM.
	I would injest in	(comband)	, SINCE ROF	giles he, a	s an investory,
	how many & In 1	income that ise	carred on ea	wity, which	is the portion
	of the balance sho	it perment.	to the in	estor.	11/2
					84
POE (S most apoaa ft, sou	c) The company that is <u>not</u> prefer Do you think this is a good idea? ROE = EM	Why or why not? TAT.PM=	equity (as	gets) (Net incom	•)
millfous On that for nustor,	Intererand effectively to the may be a good idea food idea food idea food idea food idea food the food food idea food food idea food food idea food food food food food food food foo	te profit maging since het maging since het incommercist on fled whereit on fled a company that profincial statements, co. Its accumulated reto to payments until 5 y	will go daw whill go daw who have by the fifte a duces stairways mpany has \$4.5 rained earnings years from now.	going into dolor going into dolor going into dolor going into dolor storactor in linter by using its assets 50,000 in assets a is \$1,000,000. Cor Assume Zed Lepr	they ou race hery ou race it will race of risk increase sat full capacity. as well and it is financed (Sinciples) mpany does not it is
	Requirement: Company is not plan	nning on selling or bu	lying back stock	ks or distributing div	vidends.
	a) If Zed Leppelin maintains a groend of two years?	wth rate of 0% per y ¥: 800,000 > ret	year, what would (ncome —) (n	d be the debt to e	quity ratio at the according to
	assets: 4,550,000	0,44(4,550,00	10 /	= = 0,4	8
	doctrit grow b) If the company wants to keep in	0,56(4550000)+	1800,000 +80	00,000	orate
	above requirement is satisfied.	lf it wants to	keep the	ME ratio co	instant, and
	raintain a 0% growth	rate, it must 11	nercase 1ts	debt. It can	do this by
	Inocusing long termdeb	tashor tem d	ebt (hotes	payable) to o	sffset additions to
	votained earnings for	(or	long term a	ebt T	
	-	avits.	charter	ndebt 1	

Rowan Company Comparative Balance Sheet

(dollars in million	s) Ending Beginning Balance Balance
Current assets:	\$ 70 \$ 91
Cash and cash equivalents Accounts receivable	536 572
Inventory	620 580
Total current assets	1,719 K1.656 mm pc m 108
Property, plant, and equipment	$\frac{\frac{1,226}{1,719}}{\frac{640}{1,079}} = \frac{\frac{1,243}{1,056}}{\frac{480}{1,176}} $ property logs
Less accumulated depreciation	1,079 1,176 160 VALCE
Net property, plant, and equipm	\$2,305 \$2,419
Total assets	42,415
Liabilities and Stockholders' E	
Current liabilities:	\$ 205 \$ 180
Accounts payable Accrued liabilities	94 105
Income taxes payable	72 88
Total current liabilities	371 373
Bonds payable	180 310
Total liabilities	551 683
Stockholders' equity:	800 800 / 10
Common stock	954 936 ret incore: 18
Retained earnings Total stockholders' equity	1,754 1,736
Total liabilities and stockholders' equity	\$2,305 \$2,419
Total Habilitles and Stockholders equity	72,722

3. (10 points) Rowan just prepared its end-of-year Balance Sheet today. Its tax rate is 34% and is using a straight-line depreciation method. It does not distribute any dividends. Its competitor has exactly the same financials, except, it does not have any depreciation. What is the difference between the

accumulated retained earnings of Rowan and its competitor 3 years from today?

Incore statement Sales -095 187.27 gross popet depreciation EBIT Interest

always be \$160. Given all else equal, the difference will be Based on this, with calculate howmen investincent its Compatitor makes. Given a ghossi profit to 187.27, and tax rate of 0.34, it haves 0.66 (187.27) paryed, when 15 123,60. (23,60 (3) = 5370.86)

4. (10 points) Give two positive and two negative aspects of financing a company via debt versus equity from the company's point of view:

Maximum control over company, only have to payoff debt once

	Debt versus Equity Fina	ncing
	Good_	Bad
DEBT	recover to get taxable income, you payless in taxes.	· hall to pay back legally · hall to pay interest in
EQUITY	· Not legally obliged to pay back- people was bught shees. · Gres havet value to company union generates hupe around it	are grand them, you should
	(especially when IPO-ing).	too), or if you see maken

· Also, giving wintrol to move people; have to assur to

- 250,000 interest

5. (10 points) It is the end of the year and a company has \$5 million in debt with an interest rate of 5%. Over the next year, no principal on the debt is que. Sompany does not want to get into more long term borrowing. However, a \$12 million stock repurchase is planned with no dividend distribution. Company does not plan to buy or sell any fixed assets, however, would like to increase its current assets by \$2 million more than it does its current liabilities. What is the operating cash flow of the company?

OCF = 12,250,000 +2,000,000

6. (10 points) Use the following table to answer this question:

`	<i>(</i>					-
-	5	4:	25	0,	00	0
	41 I	'' (•	,		

Balance Sheet	2017	2018	Income Statement		2018
ASSETS				******	
Cash and equivalents	190	200	Total Revenues		3,000
Accounts Receivable	560	600	Cost of Goods Sold	40%	1,200
Inventory	410	440	Gross Profit		1,800
Total Current Assets	1,160	1,240)			
			Operating Expenses	33%	1,000
Gross Fixed Assets	2,200	2,600	EBITDA	27%	800
Accumulated Depreciation	(900)	(1.200)			
Net Fixed Assets	1,300	1,400	Depreciation	10%	300
,		,	EBIT (Operating Income)	17%	500
TOTAL ASSETS	2,460	2,640	S. Maria		
			Interest Expense	3%	(100
		,	EBT (Pre-tax Income)	13%	400
LIABILITIES AND EQUITY					
Accounts Payable	285	300	Taxes	40%_	160
Notes Payable	200	250	Net Income		240
Accrued Taxes and Expenses	140	150			
Total Current Liabilities	625	700	Dividends		160
	_	2	Change in Retained Earnings		80
Long-term Debt	865	(890		_	
			Shares Outstanding		500
Common Stock	200	200	EPS		0.48
Additional Paid-in-Capital	200	200	Dividends per Share		0.32
Retained Earnings	570	650			
Total Shareholder's Equity	970	1,050			
,	,	-,			
TOTAL LIABILITIES AND EQUITY	2,460	2,640			
			W 1 1		

a) (4 points) Calculate the cash flow to/from Assets:

b) (3 points) Calculate the cash flow to/from Creditors:

c) (3 points) Calculate the cash flow to/from Stock Holders:

Check 160+75=235 V

-6.6

7. (10 points) For the first time, UBER will make its financial statements available to the public when they IPO. As we talked in class, some information can be inferred from these statements and some cannot. Here is a list of things that you would like to know about the company. Circle the ones that CAN BE inferred directly from the Financial Statements:

Debt/Equity Ratio

Only book valle

Only

Human Capital used by UBER - administrative experses on incom x

Price that is paid to image and future potential for the companies UBER acquired to date.

8. (7 points) Draft a common-size income statement for a hypothetical firm using the following information: The tax rate is 50%. Net income, Depreciation, and Interest Expense are each 10% of Sales.

Cost of Goods Sold is six times as big as Depreciation.

1 1 1 1 1	0/o sales	A CONTRACTOR OF THE CONTRACTOR
total revenue	1000005	
COGS	60	6x
Deprenation	10	X
EBIT	30	1
Interest	10	The state of the s
pretax income	20	
taxes	10	0.5(0.2)
ret more	10	

	% sales
Total	(00
cost of goods	60
GROSS PROFIT	40
dependent	10
EBIT	30
interest	10
protox income	20
taxes	10
vet income	provide (O

The following questions are 3 points each. For the True/False questions, you ne an explanation with one or two sentences in order to get any points:

9. TRUE / (FALSE) in order to keep the balance sheet balanced, an increase in the total fixed assets must be offset by an equal increase in total liabilities and/or stockholders' equity.

Not necessarily, you could have used eash to buy the fixed asset, in unich case no charges would have to be made to liabilities / stockholders' equity.

10. TRUE FALSE: A company has a consistently increasing inventory turnover while having stable profit margin. This implies that the costs other than COGS are going down.

Inuntary timular = $\frac{CO(TS)}{Inuntary}$, profit margin = $\frac{Net income}{Since profit margin is stable, then net income to Sales by a likely effect the same for increasing. Since a company has CONSISTENT increasing injuntary tumour, its implied high sales or low inventory, or both. If there is injuntary to the control time to the control to the cont$ high sales, then net income has to increase, titaly meaning that COCTS has the increase too, or stars the same, thousever, we cannot say anything about the courts of the court of the court of the court, since they could be going up as well, with sales and 11. TRUE (FALSE) A firm has negative net working capital. Over the following year, company pays its long term debt and increases its inventory. Other accounts under the current assets stay the same. Then, end of year net working capital will still be negative. adif hunters > NWC, then the end of year ret working capital Can be positive, since when habitutes will not have charged. 12. TRUE (FALSE The External Funds Needed (EFN) measures the amount of debt) the company needs to acquire in order to maintain its objective sales growth This is fall because the definition of EFN is extra financing heeded in order to reach a sales projection. It can be debt OR EQUITY, not just debt. 13. Which one of the following is a capital budgeting decision? A determining how much debt should be borrowed from a particular lender B. deciding whether or not to open a new store long tem investment 🛇 deciding when to repay a long-term debt D, determining how much inventory to keep on hand Adetermining how much money should be kept in the checking account 14. Which one of the following statements concerning a sole proprietorship is correct? A. A sole proprietorship is the least common form of business ownership. R. The profits of a sole proprietorship are taxed twice. The owners of a sole proprietorship share profits as established by the partnership agreement. D. The owner of a sole proprietorship may be forced to sell his/her personal assets to pay company K. A sole proprietorship is often structured as a limited liability company.