3/17/13

1	

2.

Exercise 18-9 Contribution margin				,38
A pants maker is designing a ne and cost \$260.00 per pair in variab		Redbird. The pants will sell for \$325	per pair	
(1) Compute the contribution marging in your response.)	jin per pair. (Round your	answer to 2 decimal places. Omit	the "\$"	
Contribution margin \$	per unit			
(2) Compute the contribution marg Omit the "%" sign in your res		rmediate calculation to 2 decimal p	laces.	
Contribution margin ratio	%			
Worksheet			C	
			42.41	
Exercise 18-12 Income reporting a	and hreak-even analysis	SLO C2		
Apollo Company manufactures a	single product that sells fo	or \$208 per unit and whose total variab	le costs	
are \$156 per unit. The company's	annual fixed costs are \$80	6,000.		
(1) Prepare a contribution margin in cells blank - he certain to e	ncome statement for Apollo	o Company at the break-even point. (Le ired. Input all amounts as positive	eave no	
Omit the "\$" sign in your res		mout imput and amounted are products		
APOLLO C				
Contribution Margin Income		)		
	\$			
(Click to select)				
(Click to select)	7			
i Life				
Net income	\$			
(2) Assume if the company's fixed to break even? (Omit the "\$" s		00, what amount of sales (in dollars) is	needed	
Break-even point	\$			
View Hint #1				
Worksheet				
THE REPORT OF THE PERSON OF TH	The last			
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		*1 1*		

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Exercise 18-13 Computing sales to achieve target income L.O. C2

Apollo Company manufactures a single product that sells for \$180 per unit and whose total variable costs are \$126 per unit. The company targets an annual after-tax income of \$1,012,500. The company is subject to a 25% income tax rate. Assume that fixed costs remain at \$842,400.

(1)	Compute	the unit	sales '	to ·	eam i	the	target	after-tax	net	income
-----	---------	----------	---------	------	-------	-----	--------	-----------	-----	--------

Unit sales

	(2) Compute the dollar sales to earn the target after-tax net income. (Omit the "\$" sign in your response.)
	Dollar sales \$
	78V (3-84-1)
	Wc
4.	
	Exercise 18-15 Predicting unit and dollar sales L.O. C2  Greenspan Company management predicts \$560,000 of variable costs, \$860,000 of fixed costs, and a pretax income of \$328,000 in the next period. Management also predicts that the contribution margin per unit will be \$66.
	(1) Compute the total expected dollar sales for next period. (Omit the "\$" sign in your response.)
	Total expected dollar sales \$
	(2) Compute the number of units expected to be sold next period.
	units
	Expected unit sales
	environment
	Worksheet
	$z \neq i + i$ . O.
5.	
Ŭ.	
	Exercise 18-17 CVP analysis using composite units L.O. P4
	Home Builders sells windows and doors in the ratio of 8:2 (windows:doors). The selling price of each window is \$118 and of each door is \$268. The variable cost of a window is \$71.50 and of a door is \$184.00. Fixed costs are \$324,000.
	(1) Determine the selling price per composite unit. (Omit the "\$" sign in your response.)
	(in the second control of the second control
	Selling price per composite unit
	(2) Determine the variable costs per composite unit (Round your answer to 2 decimal places. Omit the "\$" sign in your response.)
	Variable costs per composite unit \$
	(3) Determine the break-even point in composite units. (Round your intermediate calculation to 2 decimal places.)
	Break-even point in composite units composite units
	(4) Determine the number of units of each product that will be sold at the break-even point. (Round your intermediate calculation to 2 decimal places.)
	Unit sales of windows at break-even point units
	Unit sales of doors at break-even point units
	(ex. 63-94-11
	View Hint#1
	Worksheet
	is universamposit, villa

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7.

luals and small businesses. Data for fees and ervices in the ratio of 3:3:4 (easy, moderate,
Variable Cost per Return \$ 29 74 99
\$" sign in your response.)
"\$" sign in your response.)
your answer to 2 decimal places.)
composite units
e sold at the break-even point. (Round your at answers to nearest units.)
units
units units
dilito
O. A2  300 and a 60% contribution margin. Its fixed current service revenues of \$3,600,000 and a sech company. (Round your answers to 1
in sales.
Se .
- J. Hi sales

[The following information applies to the questions displayed below.]

Edge Equipment Co. manufactures and markets a number of rope products. Management is considering the future of Product XT, a special rope for hang gliding, that has not been as profitable as planned. Since Product XT is manufactured and marketed independently of the other products, its total costs can be precisely measured. Next year's plans call for a \$270 selling price per 100 yards of XT rope. Its fixed costs for the year are expected to be \$205,200, up to a maximum capacity of 550,000 yards of rope. Forecasted variable costs are \$216 per 100 yards of XT rope.

	Section Break	241		- 4	
	Problem 18-2A CVP analysis and chartin P3	g L.O. P2,	-u	. Inn	
8.					
	Problem 18-2A Part 1 1(a) Estimate Product XI's break-ew	en point in terms of sales	s units. (1 unit = 100 yards.)		
	Break-even in sales units	units			
	1(b) Estimate Product XI's break-ev calculations. Round your fin your response).				
	Break-even in sales dollars	\$			
	Worksheet	÷		\$ mpown	7II &L T
	Problem 18-2A Part 1		septe-free	W(MI)	

9.

## Problem 18-2A Part 2

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3. Prepare a contribution margin income statement showing sales, variable costs, and fixed costs for Product XT at the break-even point. (Leave no cells blank - be certain to enter "0" wherever required. Input all amounts as positive values. Omit the "\$" sign in your response.)

## 

Worksheet

Problem 18-4A Break-even analysis; income targeting and forecasting L.O. C2, P2, A1 [The following information applies to the questions displayed below.]

Jetson Co. sold 20,300 units of its only product and incurred a \$78,798 loss (ignoring taxes) for the current year as shown here. During a planning session for year 2012's activities, the production manager notes that variable costs can be reduced 50% by installing a machine that automates several operations. To obtain these savings, the company must increase its annual fixed costs by \$153,000. The maximum output

	capacity of the company is 40,	000 units per year.			
	JETSON COMF Contribution Margin Inco For Year Ended Decen Sales Variable costs	me Statement			
	Contribution margin Fixed costs	230,202 309,000			
	Net loss	\$ (78,798)			
	ev (2_07_2012				
	Section Break			s and a straights	
	Problem 18-4A Break-even and targeting and forecasting L.O. C		nou: 1-		
10.					
	response.)  Break-even point in doll	ar sales for year 2011	\$		
	Worksheet		-	and Consol	
	Problem 18-4A Part 1			BROWN DESCRIPTION OF THE PROPERTY OF THE PROPE	
11.					
	and there is no change i	n the unit sales price. (F	sales for year 2012 assuming the ma Round your intermediate calculation count. Omit the "\$" sign in your res	ons to 2 decimal	
	Break-even point in doll	ar sales for year 2012	\$		
	rev 02_07_2012				
	Worksheet				
	Problem 18-4A Part 2				

## 12.

## Problem 18-4A Part 3

3. Prepare a forecasted contribution margin income statement for 2012 that shows the expected results with the machine installed. Assume that the unit sales price and the number of units sold (20,300 units) will not change, and no income taxes will be due. (Input all amounts as positive values. Omit the "\$" sign in your response.)

JETSON COMPANY