REQUIRED				
(a) State what is meant by br	reak-even point.			
	[1			
Additional information				
The following budgeted information is available for product X.				
Contribution to sales ratio Fixed costs	\$2.00 62.5% \$50 000 100 000 units			
REQUIRED				
(b) Calculate the break-even point in units and \$ revenue.				
(i) in units				
(ii) in revenue				
	[4			

Rahel manufactures a single product X and wishes to know the break-even point.

(c) Prepare a break-even chart for product X.

(d) Calculate the margin of safety.				
	(i)	in units		
	(ii)	as a percentage		
				[4]
Add	ditio	nal information		
Rah	nel is	considering opening ar	other factory to	produce two new products: Y and Z.
The	follo	owing information is ava	ilable.	
Dire	ect la	naterial abour (\$5 per hour) e overhead	Y \$ per unit 2 10 1.5	Z \$ per unit 4 5 1.5
Selling price		orice	23	18
ecast demand for April is 4000 units of Y and 6000 units of Z.				
RE	QUIF	RED		
(e)	Calculate the contribution per unit of each product Y and Z.			product Y and Z.
				[2]

Additional information

During April, fixed costs are forecast to be \$60 000.

REQUIRED

(f)	Calculate the forecast profit for the new factory for the month of April.			
	[1]			
Add	ditional information			
Dur	ring April, direct labour hours are expected to be limited to 10000 hours.			
RE	QUIRED			
(g)	Calculate the revised profit taking into account the limited direct labour hours.			
	[5]			

Additional information

Rahel has to meet the forecast demand in April as she has contracts with her customers. In order to achieve this she has two alternatives.

- 1 Ask the workers to work overtime.
- 2 Buy in the products from another supplier.

REQUIRED

(h)	Advise Rahel which option she should choose. Justify your answer.
	[5
(i)	State one advantage and one disadvantage of marginal costing.
.,	Advantage
	Disadvantage