Mary Si the follo		nd costing information for	the year ended 31 Dece	mber 2010 included
		Sales (units) Selling price per unit	25 000 \$35	
		Total costs for the year Direct materials Direct labour Variable overheads Fixed costs	\$ 200 000 250 000 50 000 180 000	
REQUII	RED			
(a) Ca	culate the follo	owing for the year ended 3	31 December 2010.	
(i)	Contribution	per unit		
				[5]
(ii)	Break even	output level in units		

	(iii)	The margin of safety expressed both in units and as a percentage of sales.
		[4]
<i>(</i> 1.)	01	
(b)		te three fixed costs a business typically incurs.
	(i)	
		[1]
	(ii)	
		[1]
	(iii)	
	(,	
		[1]
(c)	Exp	lain what is meant by the term 'stepped costs'.
		[2]

During 2011 sales (in units) were expected to remain at the 2010 level of 25 000 units.

Mary Smith is in the process of compiling her 2012 budget. Research has indicated a potential increase in sales (in units) of 60% compared with the 2010 level. The company is assuming that selling price **and** all variable costs per unit in 2012 will remain at the 2010 level.

The current production level is 32 000 units per annum.

To increase production further would require:

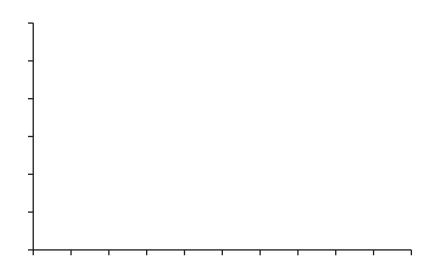
capital investment of \$3 000 000;

an increase in fixed costs of \$195 000 per annum.

REQUIRED

(d)	Prepare and	label a	a break-even	chart for	2012,	taking int	to account	all of the	e potential
	amendments								

Use the space below for your workings.



(e)	Increasing production will allow the firm to potentially earn more profit. However, it could pose significant risks to the business.				
	Evaluate the above statement using your answers to parts (a) and (d).				
	[7]				
	[,]				