REQUIRED		
(a)	Def	ine the following terms:
	(i)	Direct costs
		[1]
	(ii)	Stepped costs
		[2]
(b)	Sta	te the formula for finding the margin of safety in units.
		[1]
(c)	Exp	plain the term 'limiting factor' when using marginal costing.
		[2]

P Limited is a manufacturing business.

Additional information

P Limited manufactures a single product. The factory has the capacity to make 40 000 units per month. All production is sold.

The following budgeted information is available for December 2021.

Sales	30 000 units at \$48 per unit
Direct materials per unit	4.5 m at \$4 per metre
Direct labour per unit	3 hours at \$8.50 per labour hour
Fixed costs	\$112 000

The company has a target profit of \$40 000 per month.

REQUIRED

1)	December 2021.
	[3]

(e)	Prepare a budgeted marginal cost statement for December 2021.
	Budgeted marginal cost statement for December 2021
	[5]

Additional information

The directors have been told that demand for their product is likely to fall in future months. They are considering two proposals: Proposal A and Proposal B.

Proposal A

Produce a superior version of the product.

Sales	27 000 units per month at \$57 per unit.
Direct materials	The same quantity of material per unit as currently used, but the price per metre would increase by 7.5%.
Direct labour	The rate would increase to \$9.25 per hour and each unit would take 3.4 hours to make.
Additional fixed costs	Extra machinery costing \$75000 will be required. Machinery is depreciated at 20% per annum using the straight-line method.
	A loan would be required to finance the full cost of the machinery. Interest rates are currently 8% per annum.

REQUIRED

(f)	Calculate the monthly profit to be made from proposal A.

Additional information

Proposal B

The directors are also considering a proposal to produce a simpler version of the product with a selling price of \$37 per unit. This proposal would require 76 000 labour hours per month. They estimate that 38 000 units per month could be sold.

This will produce a monthly profit of \$49500.

REQUIRED

(g)	Advise the directors which proposal they should choose. Justify your choice by considering both financial and non-financial factors.
	[7]