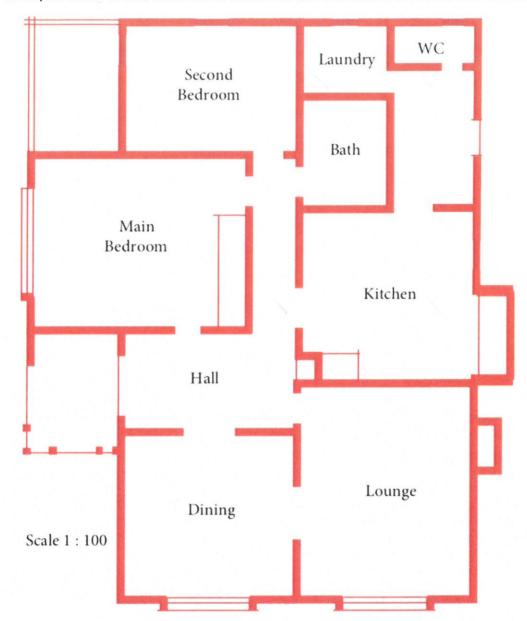
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	HOWER			Date:
Teacher:	700070			
	Year 12 Essential	s		
AVV	Time			/32
				132
D 11:	Full working	out MUST	be shown to get full ma	rks for each question.
Baldivis Secondary College		/		
Total Time:	30 minutes			
Weighting:	5%	-4:EII-4-		
Equipment:	Pen, pencil, ruler, scie	entific calculate	or.	
O1) Match the o	correct shape to its net:			[5 marks]
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a. A Vertex is a	NI						
b. A Face is a FLAT			eh				
c. An Edge is a JOIN	T/STRAIGHT	_					
Q3) Complete the following table [4 Marks]							
faces faces edges vertices Q4) Eulers formula states that for		faces faces edges vertices the faces to the Vetricies, the					
you will always receive an answer of 2. [3 Marks] a. Does this formula hold true for the shapes above?							
b. Is there a common 3-d sha	only 1 face	es not work for? Why?	3				
Q5) Using the following shape, Dra		T	[3 Marks]				
Isometric drawing	Front view	Right view	Top view				
	V	i/	B				

Q2) Define the following terms:



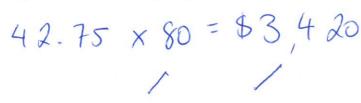
a. The length of the dining room is 4.5cm by 4.5cm. How long would this be in real life?

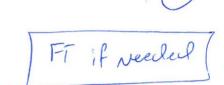


b. The house will have tiles in the Laundry, Toilet, Kitchen and Bathroom. This is a rectangle that is 9.5cm by 4.5cm on the plan. How big is this area in the real world?



c. If 1 pack of tiles cost \$80 per square meter, how much would it cost to tile this area?





d. The loungroom has an area of 24.75m². What is this in square cm?

$$24.75 \times 100^2 = 247,500 \text{ cm}^2$$



e. The main bedroom is 5.5cm by 4.5cm, and the second bedroom is 3.5cm by 4.5.cm. They choose to use carpet tiles 800mm x 800mm. They come in a pack of 15. How many packs would they need to purchase to cover both rooms?

$$5.5 \times 4.5 = 24.75$$

$$3.5 \times 4.5 = 15.75$$

$$40.5 m^{2}$$

$$800mm = 0.8 \times 0.8 = \sqrt{0.64 \, \text{m}^2/\text{x}/5} = \frac{9.6 \, \text{m}^2}{\sqrt{0.64 \, \text{m}^2/3}}$$

