



7123456

A2 (a) We start with an exponential

$$e^{-\alpha x} = A(x)$$

Then make up some conditions to

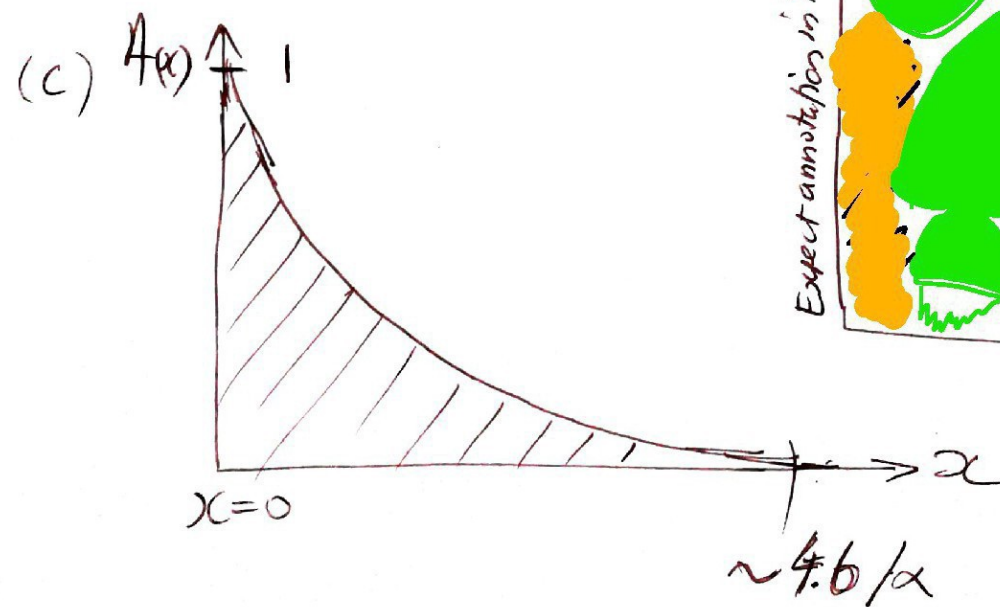
complete the specification, such as

$$\alpha \leq \alpha_{\max}, \text{ and}$$

$$\alpha \geq \alpha_{\min}.$$

(b) Again, not rocket science that

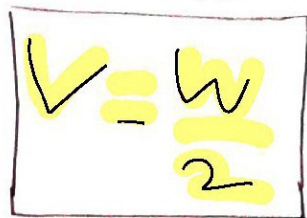
$$\alpha_{\min} \leq \alpha \leq \alpha_{\max}$$



Sub-total	Mark	Check	Moderate
26			
27			
28			No change
			change
	section Q number mark awarded	section Q number mark awarded	section Q number mark awarded
5			
	section Q number mark awarded	section Q number mark awarded	section Q number mark awarded
			Comment/query?
	Mark	Check	Fixed
			Not sure



(9)



more annotation  
in here

green


orange

I'll edit/annotate in this box electronically

$$\oint V dv = 0$$

kind of makes it  
a bit simple.

because I forgot something, ops.

(c) 

$$\oint_V \Psi_v dv = \int_0^h \int_0^w \int_0^w \Psi(x,y,z) dx dy dz$$

$$\Psi(x,y,z) = x + 2y - z^2$$

The flowchart illustrates the process of marking and checking questions, organized into three main stages: Mark (red), Check (blue), and Moderate (green).

**Sub-total:** A vertical column of boxes on the left for recording sub-totals.

**Mark Stage (Red):**

- Starts with a red box labeled "Mark".
- Flow leads to a red box containing a question icon (Q), a "section" input, a "number" input, and a "mark awarded" input.
- Flow continues to another identical red box.
- Flow ends with a red box containing a checkmark icon and the label "Mark".

**Check Stage (Blue):**

- Starts with a blue box labeled "Check".
- Flow leads to a blue box containing a question icon (Q), a "section" input, a "number" input, and a "mark awarded" input.
- Flow continues to another identical blue box.
- Flow ends with a blue box containing a checkmark icon and the label "Check".

**Moderate Stage (Green):**

- Starts with a green box labeled "Moderate".
- Flow leads to a green box containing a checkmark icon and the label "No change".
- Flow continues to a green box labeled "change".
- Flow leads to a green box containing a question icon (Q), a "section" input, a "number" input, and a "mark awarded" input.
- Flow continues to another identical green box.
- Flow leads to a large green box labeled "Comment/query?".
- Flow ends with two green boxes: "Fixed" (containing a checkmark icon) and "Not sure" (containing a question mark icon).

