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A2 (a) We start with an exponential

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

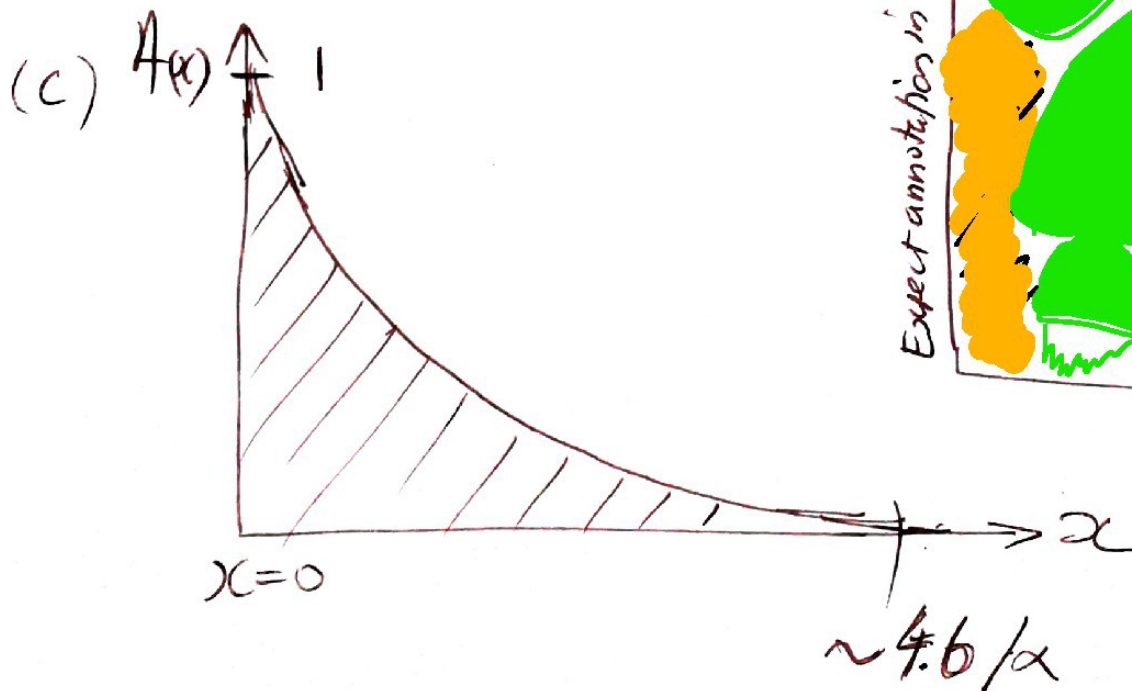
Then make up some conditions to complete the specification, such as

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

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

(b) Again, not rocket science that

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



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