

Question 2

(25 marks)

- (a) Find the range of values of x for which $|x - 4| \geq 2$, where $x \in \mathbb{R}$.

- (b) Solve the simultaneous equations:

$$\begin{aligned}x^2 + xy + 2y^2 &= 4 \\2x + 3y &= -1.\end{aligned}$$