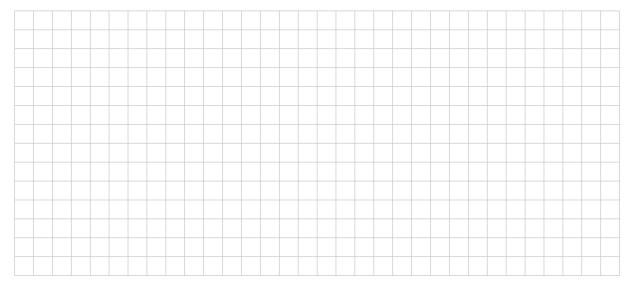
Question 5

(a) Solve the equation $x = \sqrt{x+6}, x \in \mathbb{R}$.



(b) Differentiate $x - \sqrt{x+6}$ with respect to x.



(c) Find the co-ordinates of the turning point of the function $y = x - \sqrt{x+6}$, $x \ge -6$.

