



$$a) y = \sin^2 x - \sin x + 1$$

$$\left( \begin{array}{l} 1 \rightsquigarrow 1 \\ -1 \rightsquigarrow x \\ \frac{-b}{4a} = \frac{1}{4} \rightsquigarrow \frac{x}{4} \end{array} \right.$$

$$R = \left[ \frac{x}{4}, x \right]$$

$$b) y = \sin^2 x + \sin x + 1$$

$$\left( \begin{array}{l} 1 \rightsquigarrow x \\ 0 \rightsquigarrow 1 \\ \frac{-b}{4a} = \frac{-1}{4} \end{array} \right.$$

$$R = [1, x]$$

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