

4682

$$a) \Delta = 1 - 4(\lambda - 1)^2 = (2\lambda - 1)^2 \geq 0$$

$$b) \Delta = 0 \Leftrightarrow \lambda = \frac{1}{2}$$

$$c) x^2 - x + \lambda - 1 \geq 0 \Leftrightarrow \Delta \leq 0 \Leftrightarrow$$

$$\lambda = \frac{1}{2}$$