1.107.
a)

$$8^{x+\frac{1}{3}} - 9\cdot 4^x + 2^{x+2} \geq 0$$

$$2^{3x+1} - 9\cdot 2^{2x} + 4\cdot 2^x \geq 0$$

$t = 2^x \quad /\cdot 0!$

$$2t^3 - 9t^2 + 4t \geq 0$$

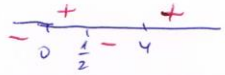
$$t(2t^2 - 9t + 4) \geq 0$$

$t = 0$ $\qquad$ $t = 4,\ t = \frac{1}{2}$

$2^x = 0 \longrightarrow \emptyset$

$2^x = 4 \longrightarrow x = 2$

$2^x = \frac{1}{2} \longrightarrow x = -1$



$x \geq 2$

$x \leq -1$