Fuzzy negations

Exercise 3.1

1. *Find for which λ the formula*

$$\underset{\lambda}{\neg}\, \alpha = \sqrt{1 - \alpha^{\lambda}}$$

   defines a fuzzy negation $\underset{\lambda}{\neg}$. Draw a graph.

2. *Find a fuzzy disjunction dual to the product conjunction with respect to the negation from part 1.*