2.
$$y' = \frac{|x|}{x} = 7x = 0, min$$

 $y' = 8x^{2} = 7x = 0, min$
 $y' = e^{x} = 7 \Rightarrow x = \sqrt{5/3}, -\sqrt{5} \log max, -\sqrt{5} \log min$