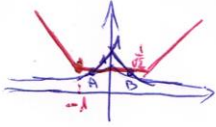


1.75
ע2

$$2^{-|x|} = \begin{cases} 2^{-x} & x > 0 \\ 2^x & x < 0 \end{cases}$$



A: $\frac{1}{\sqrt{2}} = 2^x \rightarrow x = -\frac{1}{2}$

B: $\frac{1}{\sqrt{2}} = 2^{-x} \rightarrow x = \frac{1}{2}$

$$\frac{1}{2\sqrt{2}} (|x+1| + |x-1|)$$

$$\frac{1}{2\sqrt{2}} (-x-1-x+1) = \frac{-x}{\sqrt{2}}$$

$$\frac{1}{2\sqrt{2}} (x+1-x+1) = \frac{1}{\sqrt{2}}$$

$$\frac{1}{2\sqrt{2}} (x+1+x-1) = \frac{x}{\sqrt{2}}$$

x < -1 : דנימלם

-1 ≤ x < 1

x ≥ 1

ר1 ו2 זה חיתוך בין הפונ

אין הפתרונות הם:

$$\left(-\frac{1}{2}, \frac{1}{\sqrt{2}}\right) \left(\frac{1}{2}, \frac{1}{\sqrt{2}}\right)$$