

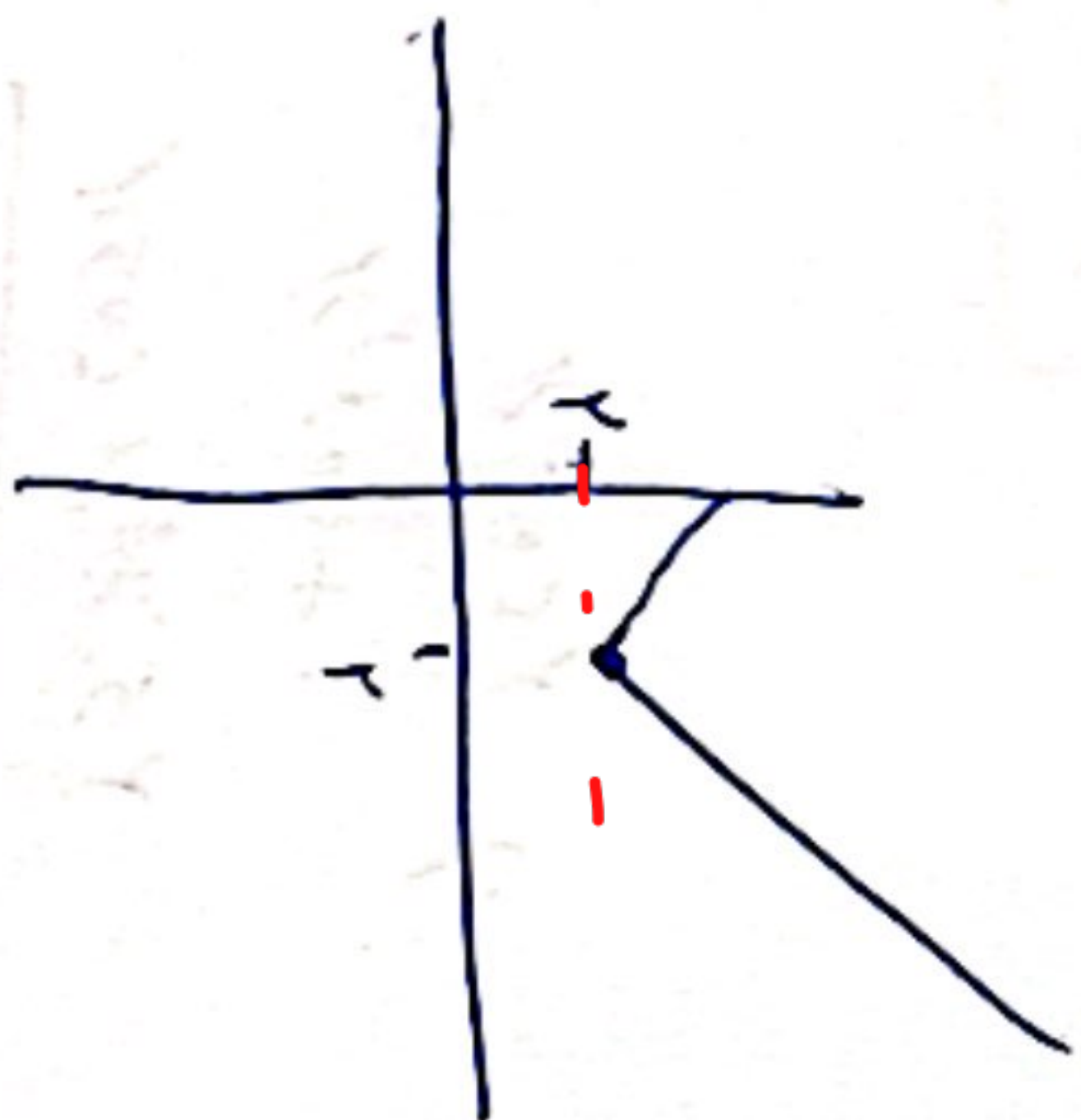
رکلیف نماره

✓ 15

$$y = x + |x - r|$$

$$\frac{r}{x + r}$$

$$R = [r, +\infty)$$

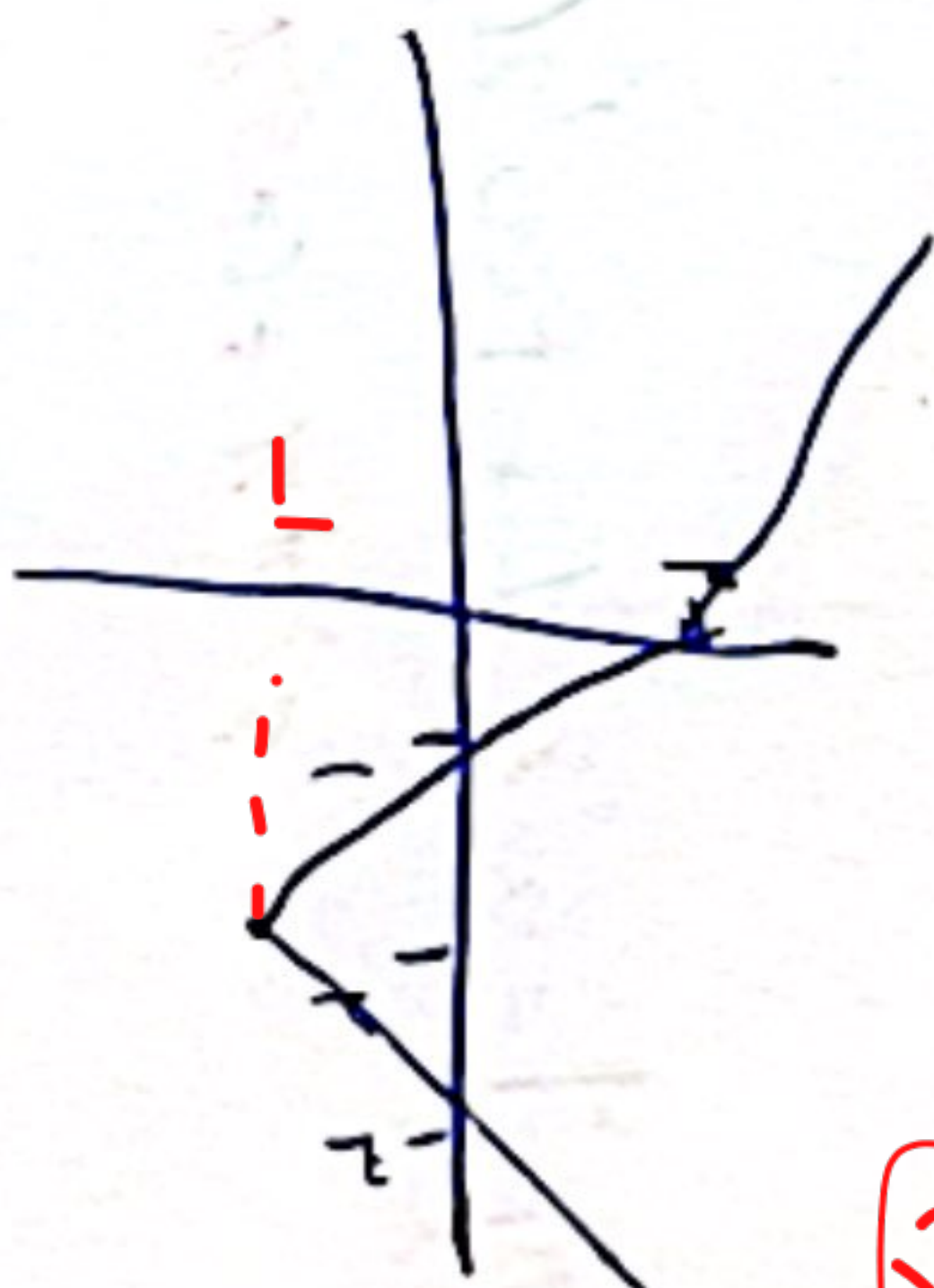


ایر کله

$$y = |x - r| + |x + 1| - |x|$$

$$\frac{-x + r}{-x + r} \left| \frac{-x + r}{-x + r} \right| \frac{x - r}{x - r}$$

$$R = [-1, +\infty)$$

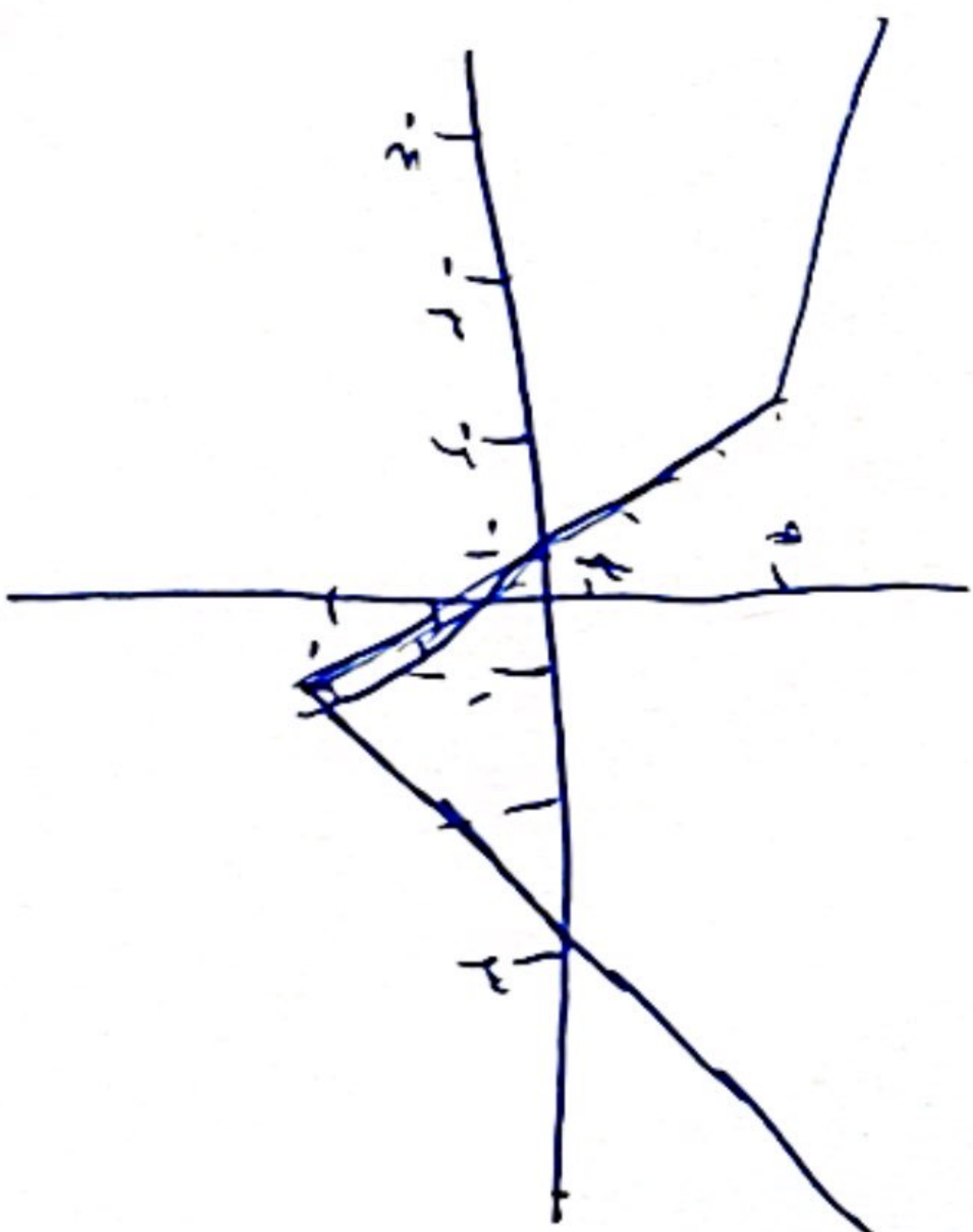


نبرد؟

15

$$y = |x - r| - |x + r| = x$$

$$\frac{-x + r}{-x + r} \left| \frac{-x + r}{-x + r} \right| \frac{x - r}{x - r}$$



$$K = -r$$

15

15

Q1

o

Q2

0/10

الف) $y = r \sin x + r \cos x$ $R = [-\sqrt{r}, \sqrt{r}]$

ج) ؟

ب) ؟
ج) ؟

$$-\sqrt{a^2 + b^2} \leq a \sin x + b \cos x \leq \sqrt{a^2 + b^2}$$

$$1) y = \sin^2 x + r \sin x + r$$

$$\frac{-b}{2a} = \frac{-r}{2} = \frac{1}{r} \Rightarrow r = 2$$

دقت
دقت

$$R = [-1, 2]$$

$$1) y = \sin^2 x + f \cos^2 x \Rightarrow$$

$$\sin^2 x + \cos^2 x + r \cos^2 x \Rightarrow 1 + r \cos^2 x$$

$$R = [1, f]$$

$$1) y = r \sin^2 x + r \sin x + r$$

$$\frac{r}{2} = 1 \Rightarrow r = 2$$

$$R = \left[\frac{r}{2}, r \right] = [1, 2] \checkmark$$

$$[1, 2]$$

$$1) \frac{r \cos^2 x}{1 + \cos^2 x} = \frac{\frac{r \cos^2 x}{\sin^2 x}}{\frac{1}{\sin^2 x}} \Rightarrow$$

$$\frac{r \sin^2 x \cos^2 x}{\sin^2 x} = r \sin^2 x \cos^2 x = \sin^2 x$$

$$R = [-1, 1] \checkmark$$

$$[-1, 1]$$

۳ و ۴ و ۹ و ۱۰ ← صفر

