

$$b = \frac{r}{a}$$

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$$\left| \frac{x+1}{ax+r} \right| < 1$$

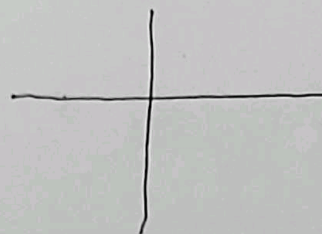
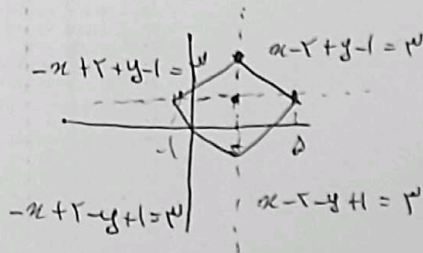
$$D = R - \left\{ -\frac{r}{a} \right\} \Rightarrow b = -\frac{r}{a}$$

$$\frac{(1-a)x-r}{ax+r} < 0 \rightarrow a=1 \rightarrow \frac{-r}{x+r} < 0 \rightarrow x+r > 0 \rightarrow x > -r$$

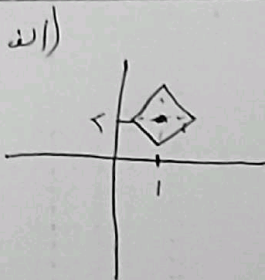
$$1 - (-r) = r$$

$$b = -r, a = 1$$

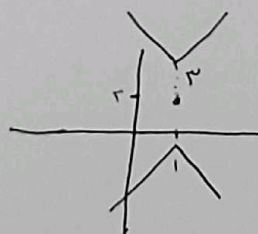
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8



9



9

$$y = (r-a)x - b \rightarrow a \neq r$$

$$a = R - \{r\}$$

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