

0.40
2

$$\left(\frac{x-3}{x+1}\right)^2 - 7\left|\frac{x-3}{x+1}\right| + 10 < 0$$

$$\left|\frac{x-3}{x+1}\right| = t \quad (t \geq 0)$$

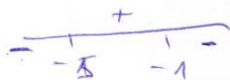
$$t^2 - 7t + 10 < 0$$



$$2 < \left|\frac{x-3}{x+1}\right| < 5$$

$$\swarrow \quad \searrow$$
$$0 < \frac{x-3-2x-2}{x+1}$$

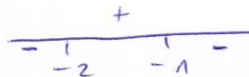
$$0 < \frac{-x-5}{x+1}$$



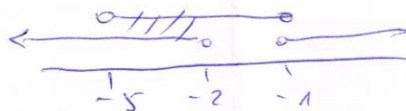
$$-5 < x < -1$$

$$0 < \frac{x-3-5x-5}{x+1} < 0$$

$$\frac{-4x-8}{x+1} < 0$$



$$x < -2 \quad \text{or} \quad x > -1$$

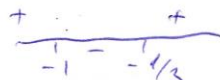


$$\boxed{-5 < x < -2}$$

$$-5 < \frac{x-3}{x+1} < -2$$

$$\swarrow \quad \searrow$$
$$0 < \frac{x-3+5x+5}{x+1}$$

$$0 < \frac{6x+2}{x+1}$$



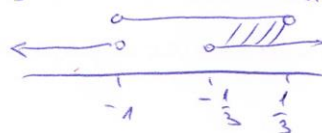
$$x < -1 \quad \text{or} \quad x > \frac{1}{3}$$

$$0 < \frac{x-3+2x+2}{x+1} < 0$$

$$\frac{3x-1}{x+1} < 0$$



$$-1 < x < \frac{1}{3}$$



$$\frac{1}{3} < x < \frac{1}{3}$$

is wrong

$$\frac{1}{3} < x < \frac{1}{3}$$
$$-5 < x < -2$$