1. Solve $|2x-1|+|2x-4|=3$
2. Solve $|x-2|+|x-3| \geq 2$
3. Find domain of $f(x)=\frac{1}{1+|x|}$
4. Find domain of $f(x)=\sqrt{|x-2|}+\frac{1}{|x|}$
5. If $x \in [-3, 2]$ satisfies Inequation $x^2+px+q+\leq 0$ find $p+q$
6. $\forall\, x \in (-2, 3)$ a quadratic expression x^2+px+q is always negative find p + q.
7. Find minimum value of $|x+1|+|x-1|$
8. Solution of $|3x-1|+|3x+1|=2$ is [a, b], evaluate a^2-b^2