Elementry problems on Inequalities :

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

2. $\frac{(x-1)(x+2)^2}{-1-x}<0$

3. $\frac{x+1}{(x-1)^2}<1$

4. $\frac{x^2+6x-7}{x^2+1}\le 2$

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

6. $\frac{(2-x^2)(x-3)^3}{(x+1)(x^2-3x-4)}\ge 0$

7. $\frac{1}{x-2}-\frac{1}{x}\le\frac{2}{x+2}$

8. $x^4-2x^2-63\le 0$

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

10. $\frac{5-4x}{3x^2-x-4}<4$

11. $\frac{(x+2)(x^2-2x+1)}{4+3x-x^2}\ge 0$

12. $\frac{1}{x-2}+\frac{1}{x-1}>\frac{1}{x}$

13. $\frac{(x-2)^{100}(x-3)^{99}(x-4)^{96}}{(x-5)^{97}}\le 0$

14. $\frac{x^2-16}{x-4}\ge 0$

15. $\frac{x}{2x+3}<4$