

Ive. Write answer using interval notation.

1. $\frac{8}{x^2+1} \geq 4$

2. $\frac{20}{x^2+1} < 2$

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

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

5. $\frac{3}{x+2} > 0$

6. $-\frac{1}{x+5} \leq -2$

$$7. \frac{2}{x+2} > \frac{1}{x+3}$$

$$8. \frac{5}{x-4} < \frac{1}{x+4}$$

$$9. \frac{5}{x+3} \geq \frac{4}{x+2}$$

$$10. \frac{2}{x+6} > \frac{-3}{x-3}$$

$$11. 3x^2 - 10x \geq -5$$

$$12. (x+4)^2 < 4$$

$$13. x^3 - 16x \geq 0$$

$$14. x^3(x-3)^2 \leq 0$$