Desigualdades del tipo: $\frac{ax+b}{cx+d} \geq 0$.

Resolver las siguientes desigualdades

1. $\frac{-4x+5}{7x} \geq 0$

2. $\frac{-\frac{2}{5}x-3}{6x-1} > 0$

3. $\frac{\frac{x}{2}+4}{-6+\frac{x}{3}} \leq 0$

4. $\frac{5}{x-\frac{8}{3}} < 0$

5. $\frac{3x-4}{-5+\frac{x}{2}} \leq 0$

6. $\frac{\frac{5x-4}{3}}{\frac{4}{7}x+1} \leq 0$

Respuestas

Desigualdades del tipo $\frac{ax+b}{cx+d} \geq 0$

Resolver las siguientes desigualdades

1. $\frac{-4x+5}{7x} \geq 0$

$$CS = \left(0, \frac{5}{4}\right]$$

2. $\frac{-\frac{2}{5}x-3}{6x-1} > 0$

$$CS = \left(-\frac{15}{2}, \frac{1}{6}\right)$$

3. $\frac{\frac{x}{2}+4}{-6+\frac{x}{3}} \leq 0$

$$CS = [-8, 18]$$

4. $\frac{5}{x-\frac{8}{3}} < 0$

$$CS = \left(-\infty, \frac{8}{3}\right)$$

5. $\frac{3x-4}{-5+\frac{x}{2}} \leq 0$

$$CS = \left[\frac{4}{3}, 10\right)$$

6. $\frac{\frac{5x-4}{3}}{\frac{4}{7}x+1} \leq 0$

$$CS = \left(-\frac{7}{4}, \frac{4}{5}\right)$$