

$$1 \quad \frac{x-2}{x-4} \geq 0$$



$$S = (-\infty, 2] \cup (4, \infty)$$

$$2 \quad \frac{x^2+4}{x^2-4} \geq 0$$



$$(-\infty, -2) \cup (2, +\infty)$$

$$3 \quad \frac{x^2-1}{-x^2+2x-1} \leq 0$$



$$(-\infty, -1] \cup (1, +\infty)$$

$$4 \quad \frac{x^2-1}{x^2-4} \leq 0$$



$$[-2, -1] \cup (1, 2)$$

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



$$S = (-\infty, 2) \cup (7, \infty)$$