

3. Bez

Bruchgleichungen

AB 0

Bestimme jeweils was x nicht sein darf: (Erklärungen im Theorieheft S. 21)

$$\text{Bsp. 1: } \frac{4-x}{4x} \qquad 4x \neq 0 \qquad /:4$$
$$\qquad \qquad \qquad \underline{\underline{x \neq 0}}$$

$$\text{Bsp. 2: } \frac{x+3}{2x+3} \qquad 2x + 3 \neq 0 \qquad /-3$$
$$\qquad \qquad \qquad 2x \neq -3 \qquad /:2$$
$$\qquad \qquad \qquad \underline{\underline{x \neq -1,5}}$$

$$1. \quad \frac{4-x}{5x} \qquad \qquad \qquad x \neq$$

$$2. \quad \frac{4-x}{x-3} \qquad \qquad \qquad x \neq$$

$$3. \quad \frac{x}{x+8} \qquad \qquad \qquad x \neq$$

$$4. \quad \frac{4x}{5-x} \qquad \qquad \qquad x \neq$$

$$5. \quad \frac{1-x}{x} \qquad \qquad \qquad x \neq$$

$$6. \quad \frac{2x+3}{2x-4} \qquad \qquad \qquad x \neq$$

$$7. \quad \frac{x}{5x-3} \qquad \qquad \qquad x \neq$$

$$8. \quad \frac{4}{7-3x} \qquad \qquad \qquad x \neq$$

$$9. \quad \frac{x+8}{x(x+2)} \qquad \qquad \qquad x \neq$$

$$10. \quad \frac{2x-9}{2x(x-9)} \qquad \qquad \qquad x \neq$$

$$11. \quad \frac{8x+8}{x^2-2x} \qquad \qquad \qquad x \neq$$

$$12. \quad \frac{x^2+3x+4}{x^2-9} \qquad \qquad \qquad x \neq$$