

4 . UNITATEA Hizkera aljebraikoa

4.3. Zatiki aljebraikoen arteko biderketak eta zatiketak egiteko laguntza

1 Egin honako eragiketa hauek, eta sinplifikatu:

$$a) \frac{x+3}{5} \cdot \frac{7}{x+2} = \frac{(x+3) \square}{\square(x+2)} = \frac{\square x + \square}{\square x + \square}$$

$$b) \frac{x}{x+2} \cdot \frac{5+x}{3x} = \frac{\square(\square + \square)}{(\square + \square) 3x} = \frac{\square x + \square^2}{\square x^2 + \square x}$$

$$c) \frac{5-x}{x} : \frac{2-x}{3} = \frac{\square(5-x)}{\square(2-x)} = \frac{\square - \square x}{\square x - \square^2}$$

$$d) \frac{x}{x+1} : \frac{x-1}{2x} = \frac{\square \square}{(\square + \square)(\square - \square)} = \frac{\square x^2}{\square^2 - \square}$$

$$e) \frac{x^2+3x}{4} : \frac{5}{x} = \frac{\square(\square + \square)}{\square \cdot \square} = \frac{\square + \square x^2}{\square}$$

$$f) \frac{x^2-4}{x^2+2x-3} : \frac{x^2-x-2}{x-1} = \frac{(\quad + \quad)(\quad - \quad)(\quad - \quad)}{(\quad + \quad)(\quad - \quad)(\quad + \quad)(\quad - \quad)} = \frac{(\quad + \quad)}{(\quad + \quad)(\quad + \quad)}$$

$$g) \frac{x^2-3x}{x^2+2x+1} \cdot \frac{x^2-1}{x^2-9} = \frac{(\quad - \quad)(\quad + \quad)(\quad - \quad)}{(\quad + \quad)(\quad + \quad)(\quad - \quad)} = \frac{(\quad - \quad)}{(\quad + \quad)(\quad + \quad)}$$

$$h) \frac{x-1}{2x^2+4x+2} \cdot \frac{(x+1)^2}{x-1} = \frac{(\quad - \quad)(\quad + \quad)}{(\quad + \quad)(\quad - \quad)} = \frac{\quad}{\quad}$$

$$i) \frac{x^3-x}{3x-6} : \frac{5x+5}{2x-4} = \frac{(\quad - \quad)(\quad + \quad)(\quad - \quad)}{(\quad - \quad)(\quad + \quad)} = \frac{(\quad - \quad)}{\quad}$$