

TAREA DE PLATAFORMA

$$1) \frac{2x}{x^2 - 16} + \frac{8}{x^2 - 16} =$$

$$\frac{2x + 8}{x^2 - 16} = \frac{2(x+4)}{(x-4)(x+4)} = R// \frac{2}{x-4}$$

$$2) \frac{3a}{5-a} + \frac{7a}{5-a} + \frac{13m}{5-a} = \frac{3a + 7a + 13m}{5-a}$$

$$R// \frac{10a + 13m}{5-a}$$

$$3) \frac{3}{(x+3)} - \frac{10}{x^2 + 7x + 12} = \frac{3}{x+3} - \frac{10}{x^2 + 4x + 3x + 12} =$$

$$\frac{3}{x+3} - \frac{10}{(x+4)(x+3)} = \frac{3(x+4) - 10}{(x+4)(x+3)} =$$

$$\frac{3x + 12 - 10}{(x+4)(x+3)} = \frac{3x + 2}{x^2 + 3x + 4x + 12} =$$

$$R// \frac{3x + 2}{x^2 + 7x + 12}$$

$$4) \frac{6x}{x^2 - 7x + 10} - \frac{1}{x - 5} =$$

$$\frac{6x}{x^2 - 2x - 5x + 10} - \frac{1}{x - 5} = \frac{6x}{(x - 2)(x - 5)} - \frac{1}{x - 5} =$$

$$\frac{6x - (x - 2)}{(x - 2)(x - 5)} = \frac{6x - x + 2}{x^2 - 5x - 2x + 10} =$$

$$R// \frac{5x + 2}{x^2 - 7x + 10}$$

$$5) \frac{3x + 5}{8} - \frac{5x - 3}{10} =$$

$$\begin{array}{r|l} 8 & 10 \\ \hline 4 & 5 \\ 2 & 5 \\ 1 & 5 \\ 1 & 1 \end{array} \begin{array}{l} 2 \\ 2 \\ 2 \\ 5 \\ 40 \end{array} \quad \frac{5(3x + 5) - 4(5x - 3)}{40} =$$

$$\frac{15x + 25 - 20x + 12}{40} = R// \frac{-5x + 37}{40}$$