

Simplify $\frac{x^2 - 8x - 9}{x^2 - 1}$	$\frac{x - 9}{x - 1}$
$\frac{x^2 - 2x}{x^2 + 2x + 1} \cdot \frac{x^2 + 4x + 3}{x^2 + 3x}$	$\frac{x - 2}{x + 1}$
$\frac{3x^2 - 12}{5x - 10} \div 2x + 4$	$\frac{3}{10}$
$\frac{x^2 + 6x - 7}{3x^2} \cdot \frac{6x}{x + 7} \div \frac{x - 1}{4}$	$\frac{8}{x}$
$4 + \frac{5}{x + 3}$	$\frac{4x + 17}{x + 3}$
$\frac{x}{x^2 - x - 30} - \frac{1}{x + 5}$	$\frac{6}{(x - 6)(x + 5)}$
$\frac{3x}{x + 2} + \frac{5x}{x - 2} - \frac{40}{x^2 - 4}$	$\frac{4(2x + 5)}{x + 2}$
$\frac{2x + 1}{x^2 + 4x + 4} - \frac{6x}{x^2 - 4} + \frac{3}{x - 2}$	$\frac{-x - 5}{(x + 2)^2}$
$\frac{3x - 1}{x - 2} + 3 = \frac{x}{x - 2}$	$x = \frac{7}{5}$
$\frac{3x}{x + 1} = \frac{12}{x^2 - 1} + 2$	$x = 5, -2$

Simplify $\frac{x^2-8x-9}{x^2-1}$	Simplify $\frac{x^2-8x-9}{x^2-1}$
$\frac{x^2-2x}{x^2+2x+1} \cdot \frac{x^2+4x+3}{x^2+3x}$	$\frac{x^2-2x}{x^2+2x+1} \cdot \frac{x^2+4x+3}{x^2+3x}$
$\frac{3x^2-12}{5x-10} \div 2x+4$	$\frac{3x^2-12}{5x-10} \div 2x+4$
$\frac{x^2+6x-7}{3x^2} \cdot \frac{6x}{x+7} \div \frac{x-1}{4}$	$\frac{x^2+6x-7}{3x^2} \cdot \frac{6x}{x+7} \div \frac{x-1}{4}$
$4 + \frac{5}{x+3}$	$4 + \frac{5}{x+3}$
$\frac{x}{x^2-x-30} - \frac{1}{x+5}$	$\frac{x}{x^2-x-30} - \frac{1}{x+5}$
$\frac{3x}{x+2} + \frac{5x}{x-2} - \frac{40}{x^2-4}$	$\frac{3x}{x+2} + \frac{5x}{x-2} - \frac{40}{x^2-4}$
$\frac{2x+1}{x^2+4x+4} - \frac{6x}{x^2-4} + \frac{3}{x-2}$	$\frac{2x+1}{x^2+4x+4} - \frac{6x}{x^2-4} + \frac{3}{x-2}$
$\frac{3x-1}{x-2} + 3 = \frac{x}{x-2}$	$\frac{3x-1}{x-2} + 3 = \frac{x}{x-2}$
$\frac{3x}{x+1} = \frac{12}{x^2-1} + 2$	$\frac{3x}{x+1} = \frac{12}{x^2-1} + 2$