

100 6.3.15

~~$\frac{x^2-7}{x} - \frac{6x}{x^2}$~~ LCD OF SMALL FRACTIONS
 ~~$\frac{x^3-2x^2}{x^3} + \frac{6x^2}{x^3}$~~ x^3

$$\frac{7x^2 - 6x}{2 + 3x^2}$$

6.3.30

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

1 fraction

$$\frac{x^2 + 7x + 10}{x^2 - 7x - 12} = \frac{(x+2)(x+5)}{(x-6)(x+2)}$$

1 fraction

$$\frac{(x-2)(x+5)}{(x-4)(x+1)} \cdot \frac{(x-6)(x+1)}{(x+5)(x+5)}$$

$$\frac{(x-2)(x-6)}{(x-4)(x+5)} \quad \blacksquare$$

1010 6.3.15

$\frac{x^3}{x^3} - \frac{6x}{x^2}$ LCD OF SMALL FRACTIONS
 $\frac{x^3}{x^3} + \frac{2 \cdot x^3}{x^2}$ x^3

$$\frac{7x^2 - 6x}{2 + 3x^2}$$

6.3.30

$$\frac{\frac{x^2 - x - 2}{x^2 - 3x - 4}}{\frac{x^2 + 7x + 10}{x^2 - 4x - 12}} = \frac{(x-2)(x+1)}{(x-4)(x+1)} \cdot \frac{(x+2)(x+3)}{(x-6)(x+2)}$$

1 fraction

1 fraction

$$\frac{(x-2)(x+1)}{(x-4)(x+1)} \cdot \frac{(x-6)(x+2)}{(x+3)(x+3)}$$

$$\frac{(x-2)(x-6)}{(x-4)(x+5)}$$