337
$$(x-2)^3-2x^2+x+6<0$$

$$1] \times ^{3} - 6 \times ^{2} + 12 \times -8 - 2 \times ^{2} + \times +6 < 0$$

$$\times^{3} - 8 \times^{2} + 13 \times -2 < 0$$

$$(x-2)(x^2-6x+1)<0$$

(1)
$$x-z>0$$
 $x>2$ $0+$ $+$ (2) $x^2-6x+1>0$ $x<3-2\sqrt{2}$ $y>3+2\sqrt{2}$ $+$ $0 0+$

$$\langle 1/2 = 3 \pm \sqrt{8} = 3 \pm 2\sqrt{2}$$
 $\times \langle 3 - 2\sqrt{2} \times 2 \times 2 \times 3 + 2\sqrt{2} \rangle$

S = -1 P = -12, $L \rightarrow -4$, +3

3-2/2 2 3+2/2

$$(x-2)^3 - (2x^2 - x - 6) < 0$$

$$(x-2)^3 - (2x^2 - 4x + 3x - 6) < 0$$

$$(x-2)^3 - (2x(x-2) + 3(x-2)) < 0$$

$$(x-2)^3 - (x-2)(2x+3) < 0$$

$$(x-2)$$
 $[(x-2)^2 - (2x+3)] < 0$

$$\frac{x}{x^{2}-1} - \frac{7}{3x+6} > \frac{1}{x^{2}+3x+2}$$

$$(x-4)(x+4) \quad 3(x+2) \quad (x+4)(x+2)$$

$$\frac{x}{(x-4)(x+4)} - \frac{7}{3(x+2)} - \frac{4}{(x+4)(x+2)} > 0$$

$$\frac{3x(x+2) - 7(x-4)(x+4) - 3(x-4)}{3(x-4)(x+4)(x+2)} > 0$$

$$\frac{3x^{2}+6x - 7(x^{2}-4) - 3x+3}{(x-4)(x+4)(x+2)} > 0$$

$$\frac{3x^{2}+6x - 7x^{2}+7 - 3x+3}{(x-4)(x+4)(x+2)} > 0$$

$$\frac{3x^{2}$$



