



次の計算をせよ。

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

$$\begin{array}{ccc} 2 & 1 & -1 \\ 1 & -2 & \rightarrow -y \end{array}$$

(2) $\frac{2x-1}{x^2-x-20} - \frac{2x+1}{x^2+x-30}$

01 $\frac{2x}{\cancel{2x+1}} \times \frac{(\cancel{2x+1})(\cancel{x-2})}{\cancel{x-2}} = \underline{2x}$

02 $\frac{2x-1}{(x-5)(x+4)} - \frac{2x+1}{(x+6)(x-5)}$

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

$$= \frac{2x^2+11x-6 - (2x^2+9x+4)}{(x-5)(x+4)(x+6)}$$

$$= \frac{2x-10}{(x-5)(x+4)(x+6)}$$

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

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