

$$
\begin{aligned}
& \frac{\frac{2}{9}}{\frac{8}{3}}=\frac{\frac{2}{7}}{3} \cdot \frac{z^{1}}{4}=\frac{1}{12} \\
& \frac{4 y^{2}-9}{y^{2}+6 y+9} \div \frac{8 y-12}{2 y^{2}+5 y-3} \\
& \frac{4 y^{2}-9}{y^{2}+6 y+9} \cdot \frac{2 y^{2}+5 y-3}{8 y-12} \\
& \frac{(2 y+3)(2 y-3)}{(y+3)(y+3)}-\frac{(2 y-1)(y+3)}{4(2 y-3)} \\
& =\frac{(2 y+3)(2 y-1)}{4(y+3)}
\end{aligned}
$$

ADDITION/SUBTRACTION

$$
\begin{aligned}
& \frac{5 \cdot 3}{5} \cdot \frac{7}{4} \cdot \frac{2}{10}=\frac{15}{20}+\frac{14}{20}=\frac{29}{20} \\
& \hat{20}_{20}^{20} 2 \cdot 2 \cdot 5 \\
& \frac{x^{2} y}{}+\overline{x y^{3}}=\overline{x^{2} y^{3}}
\end{aligned}
$$

$$
\frac{\frac{3 y+1}{2 y+1}}{2(y-5)}-\frac{y+4}{\frac{y^{2} 2 y}{y^{2} y+5}}(y-5)(y+3)
$$

1) Factor the
denominators':

$$
\begin{array}{lll}
-\frac{1}{2} & \frac{-1}{2} & \frac{1}{-2}
\end{array}
$$

$$
\begin{aligned}
& (y+3)(3 y+1)-\frac{y+4(2)}{(y-3)(y+3)(2)} \\
& \frac{3)^{2}+y+y+3}{2(y-5)(y+3)}+\frac{-2 y+8}{2(y-5)(y+3)} \\
& \frac{3 y^{2}+8 y-5}{2(y-5)(y+3)}
\end{aligned}
$$

$$
\begin{aligned}
& \quad \frac{2 x+1}{x^{2}+6 x+9}+\frac{-x+2}{9 x^{2}} \\
& (x-3 x-3)(x+3)(x+3) \\
& \left(\frac{(-x-2)(x+3)}{(x+3)(x-3) x+3)}\right. \\
& \frac{2 x^{2}+x-6 x-3}{(x+3)(x+3)(x-3)}+\frac{-x^{2}-3 x-2 x-6}{(x+3)(x+3)(x-3)} \\
& =\frac{x^{2}-10 x-9}{(x+3)(x+3)(x-3)}(x-9)(x-1)
\end{aligned}
$$

1) Factor the denominators
2) Determine the Common denim
3) Make acre fraction have the common ${ }^{2}$ nom
4) Add the cots Nom 5) chart to
