31. $\frac{30 a a^{-2} b^{-6}}{60 a-6 b^{-8}}=\frac{1}{2} a^{4} b^{2}=\frac{a^{4} b^{2}}{2}$

$$
\left(1 / 4 a^{2}\right)=\frac{1}{4} a^{2}=\frac{a^{2}}{4}
$$

$$
\frac{1}{4 a^{2}}
$$

(40)


$$
\begin{aligned}
& \text { b. } 1\left(5 x^{2}-4 x+1\right)+1\left(-3 x^{2}+x-3\right) \\
& \begin{array}{cc}
5 x^{2}-4 x+1 & 5 x^{2}-4 x+1 \\
2 x^{2}-3 x-2 & \\
\hline 2 x^{2}+x & 1+3 x^{2}+x-3 \\
2 x^{2}-3 x-2
\end{array}
\end{aligned}
$$


(3B

$$
\begin{aligned}
& \frac{-2 a\left(-3 a^{2}-11 a+20\right)}{6 a^{3}+22 a^{2}-40 a} \\
& \text { ex.4 }\left(n^{2}+6 n-2\right)(n+4) \\
& n^{3}+4 n^{2}+6 n^{2}+24 n-2 n-8 \\
& n^{3}+10 n^{2}+22 n-8
\end{aligned}
$$

$$
\begin{aligned}
& \frac{n^{3}+6 n^{2}-2 n}{n^{3}+10 n^{2}+22 n-8}
\end{aligned}
$$



