(50) $\frac{1}{y}$
(52) $\frac{y^{2}+4 y}{y-1}$
(54) $\frac{x^{2}}{2 y^{2}}$
(56) $\frac{3}{8}$
(58) $-2 x$
(60) $\frac{x+4}{x-2}$
(62) $\frac{-2 x^{2}-x+10}{x^{3}+3 x^{2}-4 x-12}$
(64) $\frac{1}{y-x}$
(66) $2 x-3$
(68)
(70) $\frac{1}{b-a}$
soutions
(50) $y\left(y^{2}+2 y+4\right)$.

$$
\frac{(y+2)(y-z)}{(y-2)\left(y^{2}+2 y+4\right)}=\frac{1}{y}
$$

(52)

$$
\frac{(y+4)(y+4)}{(3 y+2)(y-1)} \cdot \frac{y(3 y+2)}{\frac{y}{(y+4)}}=\frac{y(y+4)}{y-1}
$$

(54) $\frac{4 x}{y} \cdot \frac{x}{8 y}=\frac{4 x^{2}}{8 y^{2}}=\frac{x^{2}}{2 y^{2}}$ (56) $\frac{7(x-y)}{4 y} \cdot \frac{3 y}{24(x-y)}=\frac{3}{8}$
(58) $\frac{(x+y)(x-y)}{2 x y} \cdot \frac{{ }^{2} x^{2} y}{(y-x)(y+x)}=\frac{2 x(x-y)}{(-x+y)}=\frac{2 x(x-y)}{-(x-y)}=-2 x$
(6) $\frac{3}{x-2}+\frac{x+1}{x-2}=\frac{x+4}{x-2}$
(62)
(64)

$$
\begin{aligned}
& \frac{y+x}{x y} \cdot \frac{x^{2} y^{2}}{y^{2}-x^{2}} \\
& \frac{y+x}{(y+x)(y-x)}=\frac{1}{y-x}
\end{aligned}
$$

$$
\begin{aligned}
& \frac{5}{(x+3)(x-2)(x+2)}-\frac{(x+2)}{(x-2)(x+2)(x+3)}+\frac{4}{(x+2)(x-2)(x+3)}(x+3) \\
& \frac{5(x+2)-2\left(x^{2}+5 x+6\right)+4 x+12}{(x+3)\left(x^{2}-4\right)} \\
& \frac{5 x+10-2 x^{2}-10 x-12+4 x+12}{x^{3}+3 x^{2}-4 x-12} \\
& \frac{-2 x^{2}-x+10}{x^{3}+3 x^{2}-4 x-12}
\end{aligned}
$$

(66) $\frac{2 x+10-13}{x+5} \cdot \frac{x-3}{2 x-6}=\frac{2 x-3}{x+5} \cdot \frac{x-3}{2(x-3}=\frac{2 x-3}{2 x+10}$
(68)

$$
\begin{aligned}
\frac{(x+2)(x+h)-x(x+h+2)}{(x+2)(x+h+2)} \cdot \frac{1}{h} & =\frac{x^{2}+x h+2 x+2 h-x^{2}-x h-2 x}{(x+2 x x+h+2)} \cdot \frac{1}{h} \\
& =\frac{2 k}{x^{2}+x h+2 x+2 x+2 h+4} \cdot \frac{1}{\hbar}=\frac{2}{x^{2}+x h+4 x+2 h+4}
\end{aligned}
$$

(70) $\frac{a+b}{a b} \cdot \frac{a b}{b^{2}-a^{2}}=\frac{a+b}{(b-a)(b+}$

