$$
\begin{aligned}
& x^{2}+2 x+6 \\
& \left(x^{2}+2 x+1\right)+5 \\
& (x+1)^{2}+5
\end{aligned}
$$

$$
\begin{aligned}
& x^{2}+10 x=39 \\
& x^{2}+10 x+25=39+25 \\
& (x+5)^{2}=64
\end{aligned}
$$

$$
\begin{aligned}
& x^{2}+b x+c \\
& \left(x+\frac{b}{2}\right)^{2}+c-\left(\frac{b}{2}\right)^{2} \\
& \quad+\frac{4 c-b^{2}}{4}
\end{aligned}
$$

$$
\left(+\frac{b}{2}\right)^{2}
$$

$$
\begin{gathered}
a x^{2}+b x+c=0 \\
x^{2}+b x+c=0 \\
x^{2}+b x=-c \\
x^{2}+b x+\frac{b^{2}}{4}=-c+\frac{b^{2}}{4} \\
\left(x+\frac{b}{2}\right)^{2}=-c \frac{+\sqrt[b]{4}}{4}=\frac{b^{2}-4 c}{4} \\
x+\frac{b}{2}= \pm \sqrt{\frac{b i b x}{4}} \\
x=-\frac{b+\sqrt{3-2}}{2}
\end{gathered}
$$



