Vergelijkingen oplossen met behulp van substitutie

1. $(x+3)=(x+3)^2$
2. $\sqrt{\sin x+1}=\sin x+1$
3. $(x^2-x)^3=4.(x^2-x)^2$
4. $\left(\frac{3\sin x-1}{4}\right)^2=\frac{1}{4}$
5. $(x+2-\sqrt{x+2})^2=36$
6. $\frac{1}{{}^3\log x}+2={}^3\log x$
7. $\left(\frac{2a-1}{a+1}\right)^2=\frac{2a-1}{a+1}+2$
8. $e^{2x}-2e^x=3$
9. $\left(\frac{x+1}{x-2}\right)^2=3.\frac{x+1}{x-2}$
10. $\frac{1}{{}^2\log(x-2)}={}^2\log(x-2)$