

# Homework 1

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## 1 Mathematical Typesetting

$$\begin{aligned} 1.) (x-2)(x+4) &= 7 \\ x-2 &= 7 \text{ and } x+4 = 7 \\ x &= 9 \text{ and } 3 \end{aligned}$$

$$\begin{aligned} 2.) (x-3)^2 &= 4 \\ x-3 &= 2 \\ x &= 5 \end{aligned}$$

$$\begin{aligned} 3.) \sqrt{(x-2)} + 2 &= 4 \\ \sqrt{(x-2)} &= 2 \\ x-2 &= 4 \\ x &= 6 \end{aligned}$$