7. Develop a LaTeX script to create a document that consists of the following two mathematical equations.

$$x = \frac{-b \pm \sqrt{b^2-4ac}}{2a}$$

$$= \frac{-2 \pm \sqrt{2^2-4*(1)*(-8)}}{2*1}$$

$$= \frac{-2 \pm \sqrt{4+32}}{2}$$

$$\varphi^\lambda_\sigma A_t = \sum_{\pi \in C_t} \text{sgn}(\pi)\varphi^\lambda_\sigma \varphi^\lambda_\pi$$

$$= \sum_{\tau \in C_{\sigma t}} \text{sgn}(\sigma^{-1}\tau\sigma)\varphi^\lambda_\sigma \varphi^\lambda_{\sigma^{-1}\tau\sigma}$$

$$= A_{\sigma t}\varphi^\lambda_\sigma$$

```
\documentclass{article}
\begin{document}
   \begin{center}
          \Large{\textbf{Equations in LaTeX}}
   \end{center}

   \section*{Equation 1}
          \[
          x = \frac{-b \pm \sqrt{b^{2}-4ac}}{2a}
          \]

          \[
          = \frac{-2 \pm \sqrt{2^{2}-4*(1)*(-8)}}{2*1}
          \]

          \[
          = \frac{-2 \pm \sqrt{4+32}}{2}
          \]

   \section*{Equation 2}
          \[
          \varphi^{\lambda}_{\sigma}A_{t} = \sum_{\pi \in C_{t}}
sgn(\pi)\varphi^{\lambda}_{\sigma}\varphi^{\lambda}_{\pi}
          \]

          \[
          = \sum_{\tau \in C_{\sigma t}} sgn(\sigma^{-
1}\tau\sigma)\varphi^{\lambda}_{\sigma}\varphi^{\lambda}_{\sigma^{-1}\tau\sigma}
          \]

          \[
          = A_{\sigma t} \varphi^{\lambda}_{\sigma}
          \]
\end{document}
```