# Solve the following equations by factoring. 

$$
\begin{aligned}
& \text { 1. } 3 x^{2}-13 x-10=0 \\
& \text { 2. }(2 x-1)\left(x^{2}+1\right)=0
\end{aligned}
$$

$$
\text { 3. }(x+3)^{2}=9
$$

