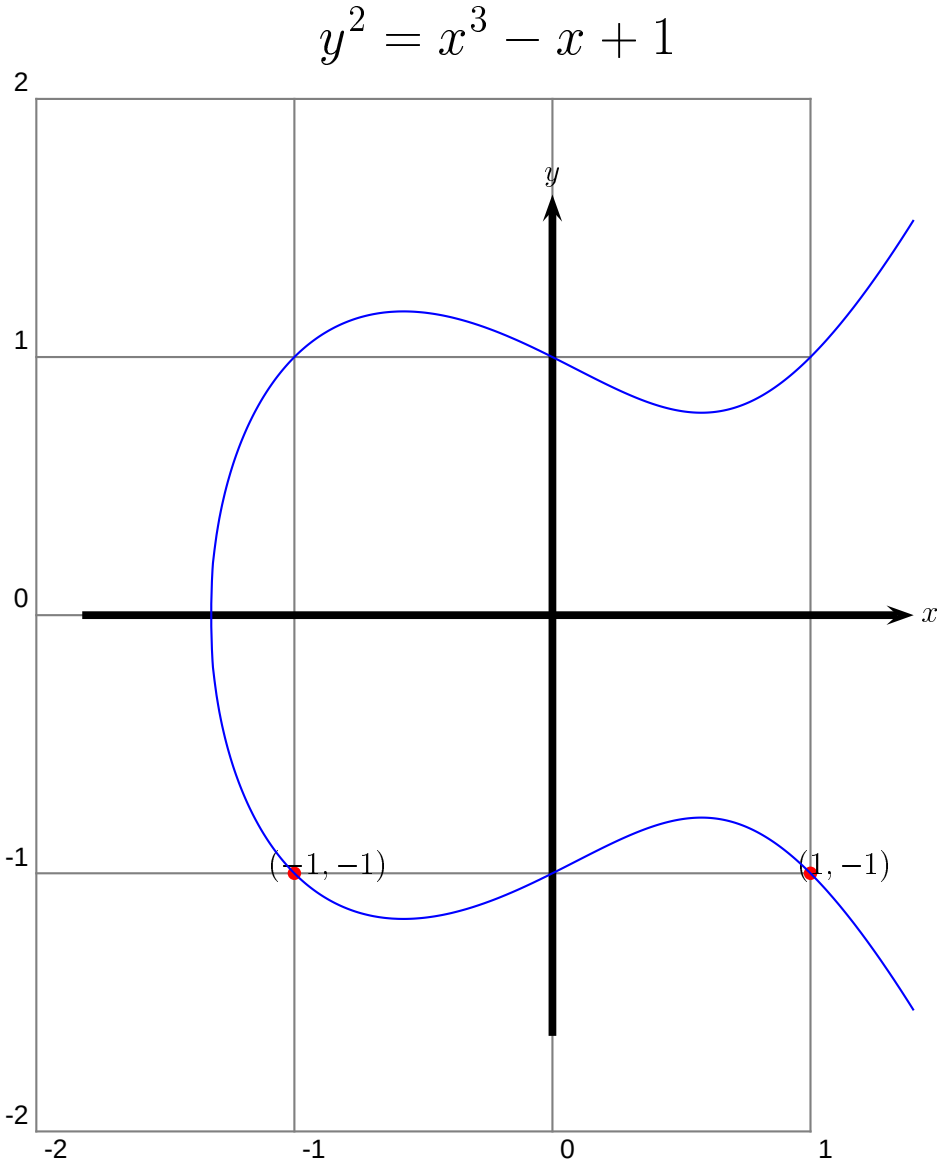Add $(1, -1)$ and $(-1, -1)$ together!