$2\sin^2 x - \sin x = 0$

$\sin x\,(2\sin x - 1) = 0$

The product is zero if one of the factors is equal to zero:

$$\left[\begin{array}{l}\sin x = 0\\ \sin x = 0.5\end{array}\right.$$

We know the following formula:

$$\boldsymbol{\sin x = a, |a| \le 1}$$

$$\boldsymbol{x = (-1)^n \operatorname{asin} a + \pi n; n \epsilon z}$$

$$\left[\begin{array}{l} x = \pi n, \quad n \in z \\ x = (-1)^n \operatorname{asin}(0.5) + \pi n = (-1)^n * \frac{\pi}{6} + \pi n; \end{array}\right.$$

We can show solutions on the unit circle