

$$\sqrt{3} \tan x - 2 \sin x \cdot \tan x = 0.$$

Solution:

$$\sqrt{3} \tan x - 2 \sin x \cdot \tan x = 0,$$

$$(\sqrt{3} - 2 \sin x) \cdot \tan x = 0,$$

$$\tan x = 0, \text{ or } \sqrt{3} - 2 \sin x = 0,$$

$$x = \arctan(0) + \pi m, m \in Z; \text{ or } \sin x = \frac{\sqrt{3}}{2},$$

$$\boxed{x = \pi m, m \in Z}; \text{ or } x = (-1)^n \arcsin\left(\frac{\sqrt{3}}{2}\right) + \pi n, n \in Z,$$

$$\boxed{x = (-1)^n \frac{\pi}{3} + \pi n, n \in Z}.$$

Answer:

$$x = \pi m, m \in Z$$

or

$$x = \pi \left(\frac{(-1)^n}{3} + n \right), n \in Z$$