5.1 Solving Tria Equations The old meets the New (0,2T)

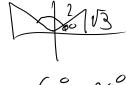
$$() x^{2} + 5x = -6$$

$$x^{2} + 5x + 6 = 0$$

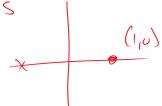
$$(x+3)(x+2) = 0$$

$$x = -3, -2$$

$$(2) \quad Sin x = \frac{\sqrt{3}}{2}$$

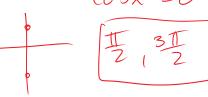


Three
$$\Rightarrow 7h - ree e e$$
 $C_{0,2}T$
 $3 + 4nx = \frac{\sqrt{3}}{3}$
 $+4nx = \frac{\sqrt{3}}{3}$
 $3 + 2\sqrt{3} + \sqrt{3}$
 $3 + 2\sqrt{3} + \sqrt{3}$



$$7x^2 - x = 0$$

Cosx =0



$$\sqrt{100} = \sqrt{3}$$

$$\tan x = \pm \sqrt{3}$$



 $4(05^2 \times -405 \times = -1)$

4652x-4603x+1=0

(2(o5x-1)(2(o5x-1)=0)

 $\cos x = \frac{1}{2}$



All Solutions

 $4x^{2}-4x=-1$

(2x-1)(2x-1)=0

 $\frac{21\sqrt{3}}{3} + 2\pi \cdot n$ $\frac{5\pi}{3} + 2\pi \cdot n$ $\frac{5\pi}{3} + 2\pi \cdot n$

(4) $+an \times \cdot sin^2 \times = \cdot +an \times$

tanx. Sin2x - tanx = 0

tanx (5,1,2x-1)=0

5/1/x=±1

fanx=0 JSIn2x FT

(0,2TT)

X = 0, T Z = 3