Section 7.5: Solving Trig Equations

Monday, February 29, 2016 11:04 AM

solve:

2 six x + 1 = 0

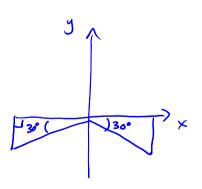
2 sin x = -1

5.7 K = -1

to [-90°, 90°]

where is sin & regative? QIII and QIV

$$\sin^{-1}\left(-\frac{1}{d}\right) = -30^{\circ}$$



so $x = \begin{cases} -30^{\circ} \text{ or coternial} \\ 210^{\circ} \text{ or coternial} \end{cases}$