Solving Trigonometric Equations

You must show all steps, including the step using the inverse trigonometric function. See your notes/graphic organizer for examples.

Solve over the interval $0 \leq x < 2\pi$

$2\cos\theta + \sqrt{2} = 0$

$\sec^2\theta = 4$

$\cos(2\theta) = 0$

Find all solutions:

$2\sin^2\theta - 3\sin\theta + 1 = 0$

$2\cos^2\theta + \cos\theta - 1 = 0$