Chapter 4

Section 4.4 Introduction to Trigonometric Equations Day 2

Trigonometry and the Unit Circle

Name:	Date:
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Learning Gool 4.2	Solving first- and second-degree equations over restricted
Learning Goal 4.2 domains and all re	domains and all real numbers.

More Questions

1. Solve the following trigonometric equation on the specified domain for exact value(s) of θ , where possible. Otherwise round your answers to the nearest hundredth.

a.
$$\cos^2 \theta - 1 = 0$$
, $0^\circ \le \theta < 360^\circ$

b.
$$\sin^2 \theta + \sin \theta - 2 = 0$$
, $0 \le \theta < 2\pi$

c.
$$\sec^2 x - 4 = 0, 0 \le x < 2\pi$$

d.
$$3 \tan^2 x - \tan x = 4, -\pi \le x < 2\pi$$