Find the PV for x^R.

1. $4\cos^2 x - 2 = 0$ **2.** $\sin^2 x \csc x - 1 = 0$

3. $\sqrt{3}\cot x = 2\cos x$ **4.** $3\cos^2 x = 6\cos x - 3$

Solve each equation for principal values of x. Express solutions in degrees.

1. $\cos x = 3\cos x - 2$ **2.** $2\sin^2 x - 1 = 0$

Solve each equation for $0° \le x < 360°$.

3. $\sec^2 x + \tan x - 1 = 0$ **4.** $\cos 2x + 3\cos x - 1 = 0$

Solve each equation for $0 \le x < 2\pi$.

5. $4\sin^2 x - 4\sin x + 1 = 0$ **6.** $\cos 2x + \sin x = 1$

Solve each equation for all real values of x.

7. $3\cos 2x - 5\cos x = 1$ **8.** $2\sin^2 x - 5\sin x + 2 = 0$

9. $3\sec^2 x - 4 = 0$ **10.** $\tan x (\tan x - 1) = 0$