

Trigonometry – more equations for practice

Solve for $0 \leq x < 2\pi$

:

(1) $\sec x - \sqrt{2} = 0$

(2) $4\cos^2(x) - 1 = 0$

(3) $\sin 5x = 1$

Find all solutions:

(4) $\tan(2x + 1) = 0;$

(5) $2\cos 4x + \sqrt{3} = 0$

(6) $5\csc(x) - 4 = 3\csc(x)$