

Solve each trigonometric equation, where $0 \leq x < 2\pi$. Show your work on a separate sheet of paper and box your answers. Write in PENCIL with no cross-outs on one side of the paper only (not on back). Then transfer your answers to this provided answer sheet that will be stapled on TOP of all your work.

1) $\sin x = -\cos x$

1) _____

2) $2\sqrt{3}\cos x - 6\sin x = 0$

2) _____

3) $\sin x + 2\cos x = 0$

3) _____

4) $4\sec x - \csc x = 0$

4) _____

5) $4\sin^2 x - 3 = 0$

5) _____

6) $2\sin x = \csc x$

6) _____

7) $1 - 3\cos x = \sin^2 x$

7) _____

8) $\tan^2 x = 2\sec x - 1$

8) _____

9) $\cot^2 x = 3(\csc x - 1)$

9) _____

10) $2\cos^2 x + \sin x = 1$

10) _____

11) $\tan x = 2\sin x$

11) _____

12) $\sqrt{2}\sin x = \cot x$

12) _____

13) $\cos 2x = \sin x$

13) _____

14) $\cos 2x = -\cos 2x$

14) _____

15) $\sin 2x = -\sin x$

15) _____

16) $\sin 2x = \cos x$

16) _____

17) $\sin 2x = -\cos 2x$

17) _____