

Find all of the values of x if $0^\circ \leq x \leq 360^\circ$.

1. $2 \cos x \sin x - \cos x = 0$

2. $\sqrt{2} \tan x \cos x - \tan x = 0$

3. $\tan x \sin^2 x = \tan x$

4. $\sin x \tan^2 x = \sin x$

5. $\tan^2 x = 3$

6. $2 \sin^2 x = 1$

7. $4 \cos^2 x - 4 \cos x + 1 = 0$

8. $2 \sin^2 x + 3 \sin x + 1 = 0$

$$9. \sin^2 x - 2 \sin x = 0$$

$$10. 3 \sin x = 2 \cos^2 x$$

$$11. 2 \cos x + 3 = 0$$

$$12. 3(\cos x - 1) = 3 - 4 \cos x$$

$$13. 4 \sin^2 x - 1 = 0$$

$$14. 5 \sin^2 x - 4 \sin x - 1 = 0$$

$$15. 2 \cos^2 x - 3 \cos x - 5 = 0$$