Solving Trigonometric Equations · 1

Solve: $2 \sin x - \sqrt{3} = 0$

Solving Trigonometric Equations · 2

Solve: $2 \sin x - \sqrt{2} = 0$

Solving Trigonometric Equations · 3

Solve: $2 \cos x + 5 = 4$

Solving Trigonometric Equations · 4

Solve: $2 \cos x + \sqrt{2} = 0$

Solving Trigonometric Equations · 5

Solve: $2 \sin x + 5 = 6$

Solving Trigonometric Equations · 6

Solve: $2 \sin x + \sqrt{3} = 0$

Solving Trigonometric Equations · 7

Solve: $\tan x + 2 = 3$

Solving Trigonometric Equations · 8

Solve: $3 \tan x + \sqrt{3} = 0$

Solving Trigonometric Equations · 2

ANSWER

$x = 45° \text{ or } x = 135°$

Solving Trigonometric Equations · 1

ANSWER

$x = 60° \text{ or } x = 120°$

Solving Trigonometric Equations · 4

ANSWER

$x = 135° \text{ or } x = 225°$

Solving Trigonometric Equations · 3

ANSWER

$x = 120° \text{ or } x = 240°$

Solving Trigonometric Equations · 6

ANSWER

$x = 240° \text{ or } x = 300°$

Solving Trigonometric Equations · 5

ANSWER

$x = 30° \text{ or } x = 150°$

Solving Trigonometric Equations · 8

ANSWER

$x = 150° \text{ or } x = 330°$

Solving Trigonometric Equations · 7

ANSWER

$x = 45° \text{ or } x = 225°$

Solving Trigonometric Equations · 9

Solve: $3 \tan x - \sqrt{3} = 0$

Solving Trigonometric Equations · 10

Solve: $2 \cos x + \sqrt{3} = 0$

Solving Trigonometric Equations · 11

Solve: $2 \sin x + 4 = 5$

Solving Trigonometric Equations · 12

Solve: $\cos x - 3 = -3$

Solving Trigonometric Equations · 13

Solve: $2 \sin x - 6 = -5$

Solving Trigonometric Equations · 14

Solve: $\sin x - 4 = -3$

Solving Trigonometric Equations · 15

Solve: $3 \tan x + 5 = 2 \tan x + 6$

Solving Trigonometric Equations · 16

Solve: $3 \cos x = \cos x - \sqrt{3}$

Solving Trigonometric Equations · 10

ANSWER

$x = 150° \text{ or } x = 210°$

Solving Trigonometric Equations · 9

ANSWER

$x = 30° \text{ or } x = 210°$

Solving Trigonometric Equations · 12

ANSWER

$x = 90° \text{ or } x = 270°$

Solving Trigonometric Equations · 11

ANSWER

$x = 30° \text{ or } x = 150°$

Solving Trigonometric Equations · 14

ANSWER

$x = 90°$

Solving Trigonometric Equations · 13

ANSWER

$x = 30° \text{ or } x = 150°$

Solving Trigonometric Equations · 16

ANSWER

$x = 150° \text{ or } x = 210°$

Solving Trigonometric Equations · 15

ANSWER

$x = 45° \text{ or } x = 225°$

Solve: $5 \sin x + 5 = 3 \sin x + 6$

Solve: $4 \cos x = 2 \cos x - \sqrt{2}$

Solve: $3 \tan x - 3 = 2 \tan x - 2$

Solve: $2 \tan x + 1 = \tan x + 1$

Solve: $2 \tan x + 3 = \tan x + 4$

Solve: $3 \tan x - 5 = 2 \tan x - 6$

Solve: $\cos x - 3 = -2$

Solve: $\sin x = -1$

Solving Trigonometric Equations · 18

ANSWER

$x = 135° \text{ or } x = 225°$

Solving Trigonometric Equations · 17

ANSWER

$x = 30° \text{ or } x = 150°$

Solving Trigonometric Equations · 20

ANSWER

$x = 0° \text{ or } x = 180°$

Solving Trigonometric Equations · 19

ANSWER

$x = 45° \text{ or } x = 225°$

Solving Trigonometric Equations · 22

ANSWER

$x = 135° \text{ or } x = 315°$

Solving Trigonometric Equations · 21

ANSWER

$x = 45° \text{ or } x = 225°$

Solving Trigonometric Equations · 24

ANSWER

$x = 270°$

Solving Trigonometric Equations · 23

ANSWER

$x = 0°$