Solving Trigonometric Equations · 1

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

Solving Trigonometric Equations · 2

Solve: $\cos x = -1$

Solving Trigonometric Equations · 3

Solve: $\cos x = -\frac{\sqrt{3}}{2}$

Solving Trigonometric Equations · 4

Solve: $\cos x = \frac{1}{2}$

Solving Trigonometric Equations · 5

Solve: $\cos x = \frac{\sqrt{2}}{2}$

Solving Trigonometric Equations · 6

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

Solving Trigonometric Equations · 7

Solve: $\cos x = -\frac{1}{2}$

Solving Trigonometric Equations · 8

Solve: $\cos x = 1$

Solving Trigonometric Equations · 2

ANSWER

$x = 180°$

Solving Trigonometric Equations · 1

ANSWER

$x = 135°$ or $x = 225°$

Solving Trigonometric Equations · 4

ANSWER

$x = 60°$ or $x = 300°$

Solving Trigonometric Equations · 3

ANSWER

$x = 150°$ or $x = 210°$

Solving Trigonometric Equations · 6

ANSWER

$x = 240°$ or $x = 300°$

Solving Trigonometric Equations · 5

ANSWER

$x = 45°$ or $x = 315°$

Solving Trigonometric Equations · 8

ANSWER

$x = 0°$

Solving Trigonometric Equations · 7

ANSWER

$x = 120°$ or $x = 240°$

Solving Trigonometric Equations · 9

Solve: $\sin x = -\frac{1}{2}$

Solving Trigonometric Equations · 10

Solve: $\sin x = \frac{1}{2}$

Solving Trigonometric Equations · 11

Solve: $\sin x = 0$

Solving Trigonometric Equations · 12

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

Solving Trigonometric Equations · 13

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

Solving Trigonometric Equations · 14

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

Solving Trigonometric Equations · 15

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

Solving Trigonometric Equations · 16

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

Solving Trigonometric Equations · 10

ANSWER

$x = 30° \text{ or } x = 150°$

Solving Trigonometric Equations · 9

ANSWER

$x = 210° \text{ or } x = 330°$

Solving Trigonometric Equations · 12

ANSWER

$x = 150° \text{ or } x = 330°$

Solving Trigonometric Equations · 11

ANSWER

$x = 0° \text{ or } x = 180°$

Solving Trigonometric Equations · 14

ANSWER

$x = 45° \text{ or } x = 315°$

Solving Trigonometric Equations · 13

ANSWER

$x = 45° \text{ or } x = 225°$

Solving Trigonometric Equations · 16

ANSWER

$x = 0°$

Solving Trigonometric Equations · 15

ANSWER

$x = 60° \text{ or } x = 120°$

Solve: $\tan x - 4 = -4$

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

Solve: $\tan x + 2 = 2$

Solve: $\sin x = 1$

Solve: $\sin x = \frac{\sqrt{2}}{2}$

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

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

Solve: $\sin x = -1$

Solving Trigonometric Equations · 18

ANSWER

$x = 120° \text{ or } x = 300°$

Solving Trigonometric Equations · 17

ANSWER

$x = 0° \text{ or } x = 180°$

Solving Trigonometric Equations · 20

ANSWER

$x = 90°$

Solving Trigonometric Equations · 19

ANSWER

$x = 0° \text{ or } x = 180°$

Solving Trigonometric Equations · 22

ANSWER

$x = 225° \text{ or } x = 315°$

Solving Trigonometric Equations · 21

ANSWER

$x = 45° \text{ or } x = 135°$

Solving Trigonometric Equations · 24

ANSWER

$x = 270°$

Solving Trigonometric Equations · 23

ANSWER

$x = 30° \text{ or } x = 330°$