

Worksheet on Inverse Trig Functions

Evaluate from  $0^\circ \leq x < 720^\circ$

1.  $\sin x = \sqrt{2}/2$

2.  $\cos x = -\sqrt{2}/2$

3.  $\tan x = -\sqrt{3}/3$

4.  $\tan x = \sqrt{3}$

5.  $\tan x = 1$

6.  $\cos x = -1$

7.  $\cos x = -1/3$

Solve for x

8.  $\arcsin x = 30^\circ$

9.  $\arccos(-1/2) = x$

10.  $\arctan \sqrt{3}/3 = x$

11.  $\arcsin -1/3 = x$

12.  $\arcsin 3 = x$

13.  $\arctan 3 = x$

14.  $\arctan(\tan 300^\circ)$

15.  $\cos(\arcsin -1/2)$