

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