

SCORE _____ (can miss 4)

NAME _____

Trig. Function Quiz #10A 24 problems - 5 min.
(Inverse Functions /4 Quadrants/ 3 Functions)

**Remember to only use defined quadrants!

Answers may be expressed in radians or degrees.

A. $\tan^{-1} \sqrt{3}$

$$\sin^{-1} \frac{1}{2}$$

$$\arccos 0$$

B. $\arctan -\frac{1}{\sqrt{3}}$

$$\arcsin 1$$

$$\sin^{-1} -\frac{1}{\sqrt{2}}$$

C. $\arccos -\frac{\sqrt{3}}{2}$

$$\cos^{-1} \frac{1}{2}$$

$$\arccos 1$$

D. $\arcsin 0$

$$\arctan 1$$

$$\sin^{-1} \frac{1}{\sqrt{2}}$$

E. $\cos^{-1} \frac{1}{\sqrt{2}}$

$$\sin^{-1} -1$$

$$\arccos \frac{\sqrt{3}}{2}$$

F. $\tan^{-1} 0$

$$\cos^{-1} -\frac{1}{\sqrt{2}}$$

$$\sin^{-1} -\frac{\sqrt{3}}{2}$$

G. $\tan^{-1} -1$

$$\arctan \frac{1}{\sqrt{3}}$$

$$\sin^{-1} \frac{\sqrt{3}}{2}$$

H. $\arctan -\sqrt{3}$

$$\sin^{-1} -\frac{1}{2}$$

$$\tan^{-1} -1$$