

UNIT CIRCLE WORKSHEET

Calculate the angles for the following sine values using the inverse sine function

- $\sin^{-1}\left(\frac{1}{2}\right)$
- $\sin^{-1}\left(-\frac{1}{2}\right)$
- $\sin^{-1}\left(\frac{\sqrt{3}}{2}\right)$

A surveyor uses an angle of elevation measured from the ground level to the top of a building and finds the tangent of the angle to be 1.732. Use arctan to find the angle of elevation.

Calculate the cosine inverse values for 0.5 and -0.5.
