

# Trigonometry Worksheet 6

1. Find the exact value of  $y = \sin^{-1}\left(\frac{\sqrt{2}}{2}\right)$ .
2. Find the exact value of  $y = \sin^{-1}\left(-\frac{\sqrt{2}}{2}\right)$ .
3. Find the exact value of  $y = \cos^{-1}\left(\frac{1}{2}\right)$ .
4. Find the exact value of  $y = \cos^{-1}\left(-\frac{1}{2}\right)$ .
5. Find the exact value of  $y = \tan^{-1}(1)$ .
6. Find the exact value of  $y = \tan^{-1}(-1)$ .
7. Find the exact value of  $y = \cot^{-1}(\sqrt{3})$ .
8. Find the exact value of  $y = \sec^{-1}(-2)$ .
9. Find the exact value of  $y = \csc^{-1}(-\sqrt{2})$ .
10. Find the exact value of  $y = \cos\left[\sin^{-1}\left(\frac{\sqrt{2}}{2}\right)\right]$ .