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

$\frac{7\pi}{6} + 2\pi n$, where n is

$\frac{11\pi}{6} + 2\pi n$, an integer

3. $\tan^{-1}\left(\frac{\sqrt{3}}{3}\right)$

$\frac{\pi}{6} + 2\pi n$, and $\frac{7\pi}{6} + 2\pi n$
where n is an integer

4. $\cos^{-1}\left(-\frac{\sqrt{2}}{2}\right)$

$\frac{3\pi}{4} + 2\pi n$ and $\frac{5\pi}{4} + 2\pi n$
where n is an integer.

5. $\cos^{-1}\left(\frac{\sqrt{3}}{2}\right)$

$\frac{\pi}{6}$ rads
30°

6. $\tan^{-1}(1)$

$\frac{\pi}{4}$ rads
45°

7. $\cos^{-1}(2)$ undefined

8. $\tan^{-1}(-\sqrt{3})$

$-\frac{\pi}{3}$ rads
$-60°$

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

$\frac{\pi}{4}$ rads, 45°

10. $\sin^{-1}(0)$

0 rads, 0°

12. $\tan\theta = 1.4$, for $-90 < \theta < 90$

$\theta = 54.5°$

14. $\cos\theta = -.25$

$\theta = 104.5°$