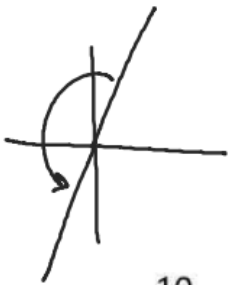


Use a calculator to solve each equation on the interval of $[0, 2\pi]$.

8. $\tan \theta = 5$

$$\tan^{-1}(5) = \theta$$

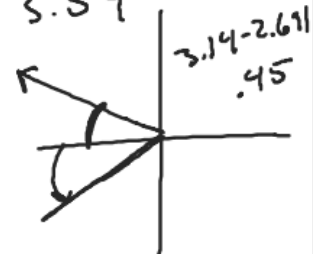
$$\theta = 1.373, 4.513$$



9. $\cos \theta = -0.9$

$$\cos^{-1}(-.9) = 2.691$$

$$3.59$$



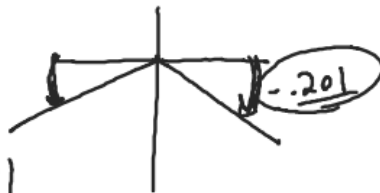
10. $\sin \theta = -0.2$

$$\sin^{-1}(-.2) = -.201$$

$$\theta = 6.08$$

$$\theta = 3.14 + .201$$

$$3.341$$



11. $\csc \theta = -3$

$$\sin \theta = -\frac{1}{3}$$

$$\sin^{-1}\left(-\frac{1}{3}\right) = -.34$$

$$6.28 + (.34) = 6.62$$

$$3.14 + .34 = 3.48$$

