

8.6 Compositions Notes

EQ: How do inverses relate to exact values?

How do I solve compositions
when the inverse is inside
the parenthesis?

$$\sec\left(\sin^{-1}\left(\frac{5}{7}\right)\right)$$

$$\cot\left(\operatorname{arcsec}\left(-\frac{3}{2}\right)\right)$$

How do I solve compositions
when the inverse is outside
the parenthesis?

$$\cos^{-1}\left(\sin\frac{4\pi}{3}\right)$$

$$\sin^{-1}\left(\cos\frac{3\pi}{4}\right)$$

$$\cos^{-1}(\tan(0))$$

Summary