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1. $\sin^{-1} 0 = 0$

3. $\arcsin \frac{\sqrt{2}}{2} = \frac{\pi}{4}$

5. $\sin^{-1} \left(-\frac{\sqrt{2}}{2}\right) = -\frac{\pi}{4}$

7. $\cos^{-1} \frac{\sqrt{2}}{2} = \frac{\pi}{4}$

9. $\arccos \frac{\sqrt{3}}{2} = \frac{\pi}{6}$

11. $\arctan 1 = \frac{\pi}{4}$

13. $\tan^{-1} \frac{\sqrt{3}}{3} = \frac{\pi}{6}$

2. $\arcsin \frac{\sqrt{3}}{2} = \frac{\pi}{3}$

4. $\sin^{-1} \frac{1}{2} = \frac{\pi}{6}$

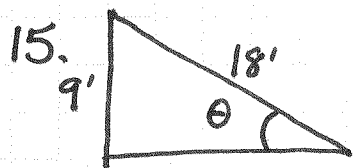
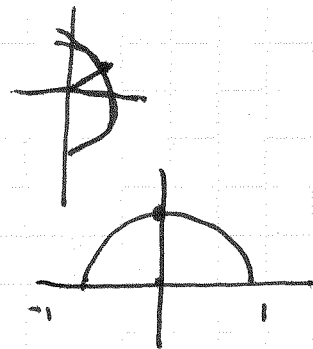
6. $\arccos 0 = \frac{\pi}{2}$

8. $\arccos -1 = \pi$

10. $\cos^{-1} \left(\frac{1}{2}\right) = \frac{\pi}{3}$

12. $\arctan (-\sqrt{3}) = -\frac{\pi}{3}$

14. $\tan^{-1} 0 = 0$



$$\sin \theta = \frac{9}{18} = \frac{1}{2}$$

$$\arcsin \frac{1}{2} = \frac{\pi}{6}$$