

$$1. \text{Arcsin } \frac{1}{2} = \frac{\pi}{6}$$

$$2. \text{Sin}^{-1} \frac{\sqrt{3}}{2} = \frac{\pi}{3}$$

$$3. \text{Cos}^{-1} 0 = \frac{\pi}{2}$$

$$4. \text{Arccos} 1 = 0$$

$$5. \text{Arctan} 1 = \frac{\pi}{4}$$

$$6. \text{Tan}^{-1} \sqrt{3} = \frac{\pi}{3}$$

$$7. \text{Tan}^{-1}(-\sqrt{3}) = -\frac{\pi}{3}$$

$$8. \text{Arccos} 1 = 0$$

$$9. \text{Arcsec} 2 = \frac{\pi}{3}$$

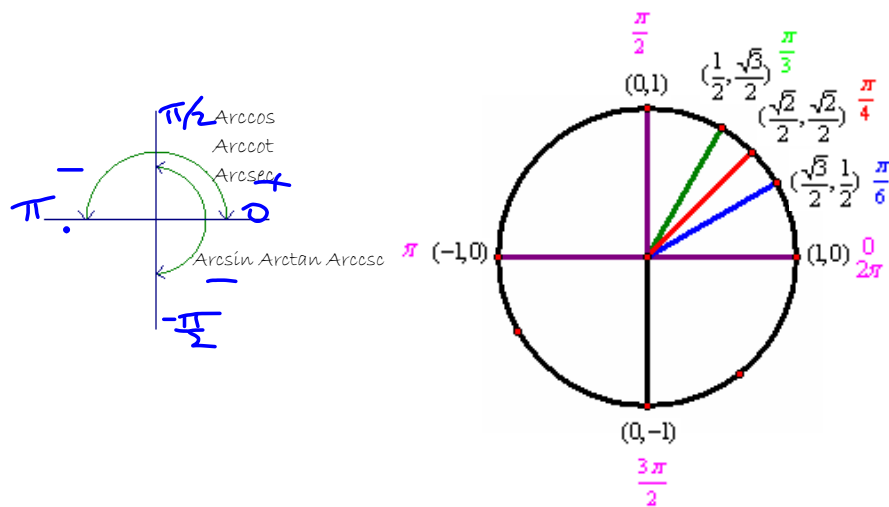
$$10. \text{Sec}^{-1} \frac{2}{\sqrt{3}} = \frac{\pi}{6}$$

$$11. \text{Csc}^{-1} \sqrt{2} = \frac{\pi}{4}$$

$$12. \text{Arccsc} 2 = \frac{\pi}{6}$$

$$13. \text{Sin}^{-1} \left(-\frac{\sqrt{3}}{2}\right) = -\frac{\pi}{3}$$

$$14. \text{Arcsin} \left(-\frac{1}{2}\right) = -\frac{\pi}{6}$$



15. $\text{Arccos}(-1) =$ _____

16. $\text{Cos}^{-1}\left(-\frac{\sqrt{2}}{2}\right) = \underline{\underline{\frac{3\pi}{4}}}$

17. $\text{Tan}^{-1}(-1) =$ _____

18. $\text{Arctan}(-\sqrt{3}) = \underline{\underline{-\pi/3}}$

19. $\text{Arccos}(-1) =$ _____

20. $\text{Tan}^{-1}(-\sqrt{3}) = \underline{\underline{-\pi/3}}$

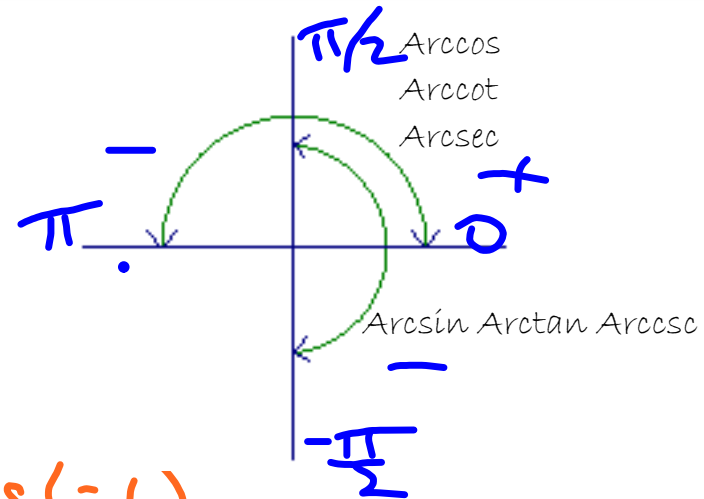
21. $\text{Sec}^{-1}(-\sqrt{2}) =$ _____

22. $\text{Arcsec}(-1) = \underline{\underline{\pi}}$

23. $\text{Arccsc}(-\sqrt{2}) =$ _____

24. $\text{Csc}^{-1}(-1) = \underline{\underline{-\pi/2}}$

$\text{Sin}^{-1}(-1)$



$\text{Arccos}(-1)$

$$25. \tan(\text{Cos}^{-1} \frac{4}{5}) = \underline{\hspace{2cm}}$$

$$26. \cos(\text{Arctan} \frac{4}{3}) = \underline{3/5}$$

$$27. \sin(\text{Tan}^{-1} \frac{5}{12}) = \underline{\hspace{2cm}}$$

$$28. \sec(\text{Arc sin} \frac{15}{17}) = \underline{17/8}$$

$$29. \cos[\text{Arc sin}(-\frac{8}{17})] = \underline{\hspace{2cm}}$$

$$30. \cot[\text{Csc}^{-1}(-\frac{13}{12})] = \underline{5/-12}$$

$$31. \sec(\text{Arc cos} \frac{2}{3}) = \underline{\hspace{2cm}}$$

$$32. \sin(\text{Tan}^{-1} 4) = \underline{4/\sqrt{17}} = \underline{\frac{4\sqrt{17}}{17}}$$

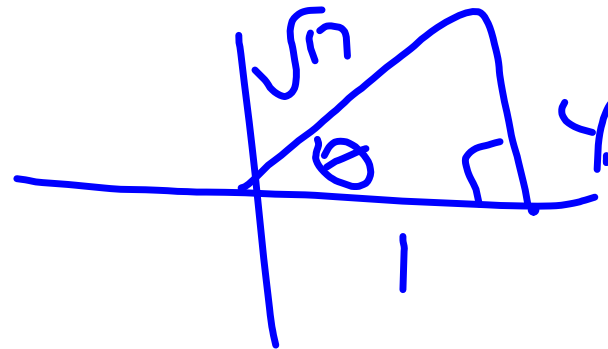
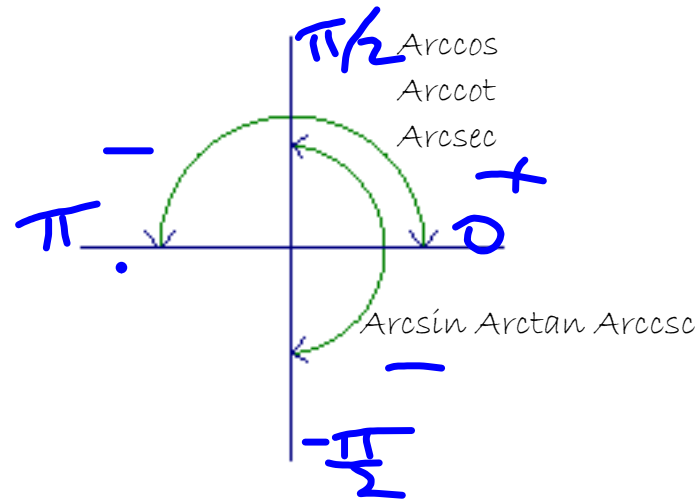
$$33. \cot[\text{Sin}^{-1}(-\frac{\sqrt{2}}{2})] = \underline{\hspace{2cm}}$$

$$34. \tan[\text{Arc sec}(-\sqrt{2})] = \underline{-1}$$

$$35. \csc(\text{Arc cot} 3) = \underline{\hspace{2cm}}$$

$$36. \csc(\text{Tan}^{-1} \frac{1}{2}) = \underline{\sqrt{5}}$$

$$37. \csc(\text{Arc csc} 5) = \underline{\hspace{2cm}}$$



$$38. \sin(\text{Sin}^{-1} \frac{2}{3}) = \underline{2/3}$$

$$39. \cos(\text{Sin}^{-1} 2) = \underline{\hspace{2cm}}$$

$$40. \tan(\text{Arc sec } 0) = \underline{\text{undef.}}$$

$$41. \text{Arc tan}(\tan \frac{\pi}{6}) = \underline{\hspace{2cm}}$$

$$42. \text{Cos}^{-1}(\cos \frac{\pi}{4}) = \underline{\pi/4}$$

$$43. \text{Sin}^{-1}[\sin(-\frac{\pi}{4})] = \underline{\hspace{2cm}}$$

$$44. \text{Arc sec}[\sec(-\frac{\pi}{3})] = \underline{\pi/3}$$

$$45. \text{Cos}^{-1}(\sec \frac{7\pi}{6}) = \underline{\hspace{2cm}}$$

$$46. \text{Arc csc}(\csc \frac{2\pi}{3}) = \underline{\pi/3}$$

$$47. \text{Arc tan}(\tan \frac{\pi}{3}) = \underline{\hspace{2cm}}$$

$$48. \text{Sin}^{-1}(\cos \frac{\pi}{6}) = \underline{\pi/3}$$

