Trigonometry Values

Find each of the following exactly. Leave answers in simplest radical form.

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| --- | --- | --- |
| sin 60˚ | cot $\frac{ᴨ}{6}$ | cos $\frac{ᴨ}{6}$ |
| cot $\frac{13ᴨ}{4}$ | cos 135 ˚ | sin $\frac{11ᴨ}{6}$ |
| cot $\frac{4ᴨ}{3}$ | csc $\frac{13ᴨ}{4}$ | csc 60˚ |
| sec 30˚ | tan 210 ˚ | tan $\frac{13ᴨ}{4}$ |
| cos 540˚ | sec 135˚ | cot 0 ˚ |
| sin $\frac{5ᴨ}{4}$ | sec $\frac{4ᴨ}{3}$ | cot 135˚ |
| csc $ᴨ$ | tan $\frac{2ᴨ}{3}$ | cos $\frac{5ᴨ}{2}$ |
| csc $495˚$ | sin $495˚$ | sec 30˚ |
| tan 90$ ˚$ |  |  |

Find each value. DO NOT USE A CALCULATOR!!

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| sin $\frac{ᴨ}{4}$ | cos $\frac{ᴨ}{4}$ | tan $\frac{ᴨ}{4}$ |
| cot 210 ˚ | sin 300 ˚ | tan 330 ˚ |
| sin $\frac{3ᴨ}{4}$ | cos $\frac{3ᴨ}{4}$ | sin 90˚ |
| csc 270˚ | tan (-45) ˚ | cos $\frac{3ᴨ}{2}$ |
| tan $\frac{3ᴨ}{2}$ | sin (-135)˚ | cos (- $\frac{ᴨ}{2}$) |
| tan $\frac{5ᴨ}{4}$ | csc $\frac{ᴨ}{3}$ | tan (-225)˚ |
| csc $2ᴨ$ | sin $\frac{14ᴨ}{6}$ | tan $\frac{21ᴨ}{4}$ |
| sec $150˚$ | tan (- $\frac{10ᴨ}{3}$) | sin 3ᴨ |
| sin 2ᴨ | cot (- $\frac{17ᴨ}{6}$) | cos (-120˚) |
| cot 600˚ | sec (- $\frac{ᴨ}{3}$) | cos (- $\frac{ᴨ}{3}$) |
| cos (- 510˚) | tan (-120 ˚) | sin (-ᴨ) |
| cot (-150 ˚) | sin 60˚ | csc 60 ˚ |
| cos 30˚ |  |  |