## $\cos^{2}(\frac{5\pi}{6}) + \sin^{2}(\frac{7\pi}{3}) + tg^{2}(\frac{\pi}{4}) + ctg^{2}(\frac{7\pi}{6}) = \_$

Solve the problem #8 Calculate the following sum:

$$\cos^{2}(\frac{8\pi}{3}) + \sin^{2}(\frac{\pi}{6}) + tg^{2}(\frac{5\pi}{4}) + ctg^{2}(\frac{5\pi}{3}) =$$
\_\_\_\_\_

Solve the problem #7 Calculate the following sum:

$$\cos^{2}(\frac{9\pi}{4}) + \sin^{2}(\frac{2\pi}{3}) + tg^{2}(\frac{7\pi}{4}) + ctg^{2}(\frac{7\pi}{3}) =$$
\_\_\_\_\_

Solve the problem #6 Calculate the following sum:

$$\cos^{2}(\frac{3\pi}{4}) + \sin^{2}(\frac{5\pi}{3}) + tg^{2}(\frac{8\pi}{3}) + ctg^{2}(\frac{\pi}{3}) =$$

Solve the problem #5 Calculate the following sum:

$$\cos^{2}(\frac{2\pi}{3}) + \sin^{2}(\frac{7\pi}{6}) + tg^{2}(\frac{8\pi}{3}) + ctg^{2}(\frac{\pi}{4}) =$$
\_\_\_\_\_

Solve the problem #4 Calculate the following sum:

$$\cos^{2}(\frac{5\pi}{6}) + \sin^{2}(\frac{8\pi}{3}) + tg^{2}(\frac{2\pi}{3}) + ctg^{2}(\frac{7\pi}{6}) =$$
\_\_\_\_\_

Solve the problem #3 Calculate the following sum:

$$\cos^{2}(\frac{2\pi}{3}) + \sin^{2}(\frac{7\pi}{6}) + tg^{2}(\frac{7\pi}{4}) + ctg^{2}(\frac{\pi}{6}) =$$

Solve the problem #2 Calculate the following sum:

$$\cos^{2}(\frac{5\pi}{4}) + \sin^{2}(\frac{7\pi}{4}) + tg^{2}(\frac{\pi}{6}) + ctg^{2}(\frac{5\pi}{4}) =$$

Problems and Answers. Solve the problem #1 Calculate the following sum: Answers



Name\_\_\_

Date

Solve the problem #3  
Calculate the following sum:  

$$COS^{2}\left(\frac{5\pi}{6}\right) + Sin^{2}\left(\frac{8\pi}{3}\right) + tg^{2}\left(\frac{2\pi}{3}\right) + ctg^{2}\left(\frac{7\pi}{6}\right) = \frac{15/2}{-1}$$
Solve the problem #4  
Calculate the following sum:  

$$COS^{2}\left(\frac{2\pi}{3}\right) + Sin^{2}\left(\frac{7\pi}{6}\right) + tg^{2}\left(\frac{8\pi}{3}\right) + ctg^{2}\left(\frac{\pi}{4}\right) = \frac{9/2}{-1}$$
Solve the problem #5  
Calculate the following sum:  

$$COS^{2}\left(\frac{3\pi}{4}\right) + Sin^{2}\left(\frac{5\pi}{3}\right) + tg^{2}\left(\frac{8\pi}{3}\right) + ctg^{2}\left(\frac{\pi}{3}\right) = \frac{55/12}{-1}$$
Solve the problem #6  
Calculate the following sum:  

$$COS^{2}\left(\frac{9\pi}{4}\right) + Sin^{2}\left(\frac{2\pi}{3}\right) + tg^{2}\left(\frac{7\pi}{4}\right) + ctg^{2}\left(\frac{7\pi}{3}\right) = \frac{31/12}{-1}$$
Solve the problem #7  
Calculate the following sum:  

$$COS^{2}\left(\frac{8\pi}{3}\right) + Sin^{2}\left(\frac{\pi}{6}\right) + tg^{2}\left(\frac{5\pi}{4}\right) + ctg^{2}\left(\frac{5\pi}{3}\right) = \frac{11/6}{-1}$$
Solve the problem #8  
Calculate the following sum:  

$$COS^{2}\left(\frac{5\pi}{6}\right) + Sin^{2}\left(\frac{7\pi}{3}\right) + tg^{2}\left(\frac{\pi}{4}\right) + ctg^{2}\left(\frac{7\pi}{6}\right) = \frac{11/2}{-1}$$

Solve the problem #2 Calculate the following sum:  $\cos^{2}\left(\frac{2\pi}{3}\right) + \sin^{2}\left(\frac{7\pi}{6}\right) + tg^{2}\left(\frac{7\pi}{4}\right) + ctg^{2}\left(\frac{\pi}{6}\right) = \frac{9/2}{2}$ 

$$\cos^{2}\left(\frac{5\pi}{4}\right) + \sin^{2}\left(\frac{7\pi}{4}\right) + tg^{2}\left(\frac{\pi}{6}\right) + ctg^{2}\left(\frac{5\pi}{4}\right) = \frac{7/3}{2}$$

Problems and Answers. Solve the problem #1 Calculate the following sum:

Answer keys

Answers

