



1. Aşağıdakilerden hangileri doğrudur?

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

II) $\arccos \frac{1}{2} = \frac{\pi}{6}$

III) $\arctan 1 = \frac{\pi}{4}$

IV) $\operatorname{arccot} \sqrt{3} = \frac{\pi}{3}$



- A) I B) II,III C) I,IV D) III,IV E) I,III

2. $\arctan \sqrt{3} + \arccos \frac{\sqrt{3}}{2}$ ifadesi neye eşittir?

- A) $\frac{\pi}{4}$ B) $\frac{\pi}{3}$ C) $\frac{5\pi}{12}$ D) $\frac{\pi}{2}$ E) $\frac{2\pi}{3}$



3. $\sin \left(\arccos \frac{\sqrt{2}}{2} \right)$ ifadesi neye eşittir?

- A) $\frac{\sqrt{2}}{2}$ B) $\frac{1}{3}$ C) $\frac{\sqrt{3}}{2}$ D) $\sqrt{3}$ E) $2\sqrt{5}$



4. $\tan \left(\arccos \frac{3}{5} \right)$ ifadesi neye eşittir?

- A) $\frac{1}{2}$ B) $\frac{3}{5}$ C) 1 D) $\frac{4}{3}$ E) $\frac{5}{3}$



5. $\cos \left(\frac{\pi}{2} - \operatorname{arccot} \frac{12}{5} \right)$ ifadesi neye eşittir?

- A) $\frac{1}{4}$ B) $\frac{2}{3}$ C) $\frac{5}{13}$ D) $\frac{3}{5}$ E) $\frac{8}{17}$



6. Aşağıdakilerden hangileri doğrudur?

I) $\arcsin \left(-\frac{\sqrt{3}}{2} \right) = \frac{2\pi}{3}$

II) $\arctan(-1) = \frac{7\pi}{4}$

III) $\arccos \left(-\frac{1}{2} \right) = \frac{4\pi}{3}$

IV) $\operatorname{arccot} \left(-\frac{\sqrt{3}}{3} \right) = \frac{2\pi}{3}$



- A) I B) II,III C) I,IV D) III,IV E) II,IV

TRİGONOMETRİ - ARC, GRAFİK, PERİYOT - 1 - (12) K

7. $\cos\left(\arctan\left(-\frac{3}{4}\right)\right)$ ifadesi neye eşittir?

- A) $\frac{2}{3}$ B) $\frac{3}{5}$ C) $\frac{4}{5}$ D) 1 E) $\frac{5}{3}$



8. $\sin\left(\arccos\frac{3}{5} + \arctan\frac{3}{4}\right)$ ifadesi kaçta eşittir?

- A) $\frac{4}{5}$ B) $\frac{12}{13}$ C) $\frac{15}{17}$ D) $\frac{17}{18}$ E) 1



9. $\sin\left(2\arctan\frac{4}{3}\right)$ ifadesi kaçta eşittir?

- A) $\frac{4}{5}$ B) $\frac{12}{13}$ C) $\frac{15}{17}$ D) $\frac{17}{18}$ E) $\frac{24}{25}$



10. Aşağıdaki ifadelerin hangilerinin periyotları doğru verilmiştir.

I) $\sin^3(5x - 2)$ Periyot = $\frac{2\pi}{5}$

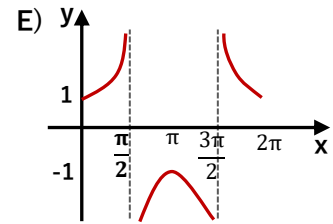
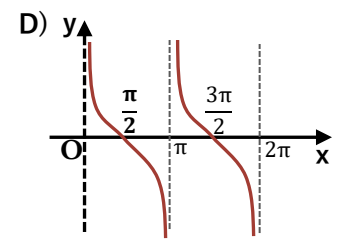
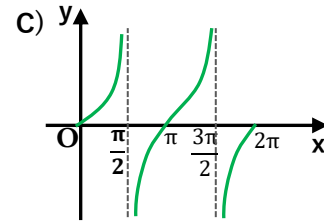
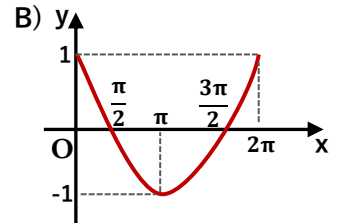
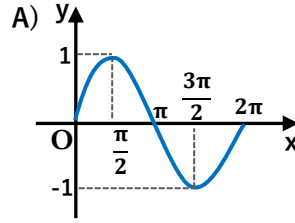
II) $\cos^4(3x + 1)$ Periyot = $\frac{\pi}{3}$

III) $\tan^6(4x + 7)$ Periyot = $\frac{\pi}{4}$

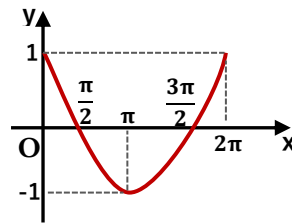
- A) I B) I,III C) II,III D) I,II E) Hepsi



11. Aşağıdakilerden hangisi $y = \sin x$ fonksiyonunun grafiğidir?



12.



Yandaki grafik aşağıdakilerden hangisinin grafiğidir?

- A) $y = \sin x$ B) $y = \cos x$ C) $y = \tan x$

- D) $y = \cot x$ E) $y = \sec x$



Daha fazla test ve konu anlatımı için matematikchi.net

C E E

E A B