



1. Aşağıdakilerden hangileri doğrudur?

I) $\arcsin\left(\frac{\sqrt{3}}{2}\right) = \frac{\pi}{6}$

II) $\arccos\left(\frac{\sqrt{3}}{2}\right) = \frac{\pi}{6}$

III) $\arctan\sqrt{3} = \frac{\pi}{3}$



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

2. $\tan\left(\frac{\pi}{2} - \arccos\frac{\sqrt{2}}{2}\right)$ ifadesi neye eşittir?

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



3. $4.\arcsin\frac{\sqrt{2}}{2} - 3.\operatorname{arccot}\sqrt{3}$ ifadesi hangisine eşittir?

A) $\frac{\pi}{6}$ B) $\frac{\pi}{5}$ C) $\frac{\pi}{4}$ D) $\frac{\pi}{3}$ E) $\frac{\pi}{2}$



4. $\arctan(2x - 5) = \frac{\pi}{4}$ ise x kaçtır?

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



5. $\cot\left(\arcsin\frac{3}{5}\right)$ kaç eştir?

A) $\frac{5}{12}$ B) $\frac{2}{3}$ C) 1 D) $\frac{4}{3}$ E) $\frac{5}{3}$



6. Aşağıdakilerden hangileri doğrudur?

I) $\arcsin\left(-\frac{\sqrt{3}}{2}\right) = 300^\circ$

II) $\arccos\left(-\frac{\sqrt{3}}{2}\right) = 150^\circ$

III) $\arctan(-\sqrt{3}) = 120^\circ$

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



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TRİGONOMETRİ - ARC, GRAFİK, PERİYOT - 2 - (12) K

7. $\sin\left(\operatorname{arccot}\left(-\frac{12}{5}\right)\right)$ ifadesi hangisine eşittir?

- A) $-\frac{13}{5}$ B) $-\frac{12}{13}$ C) $-\frac{5}{12}$ D) $\frac{5}{12}$ E) $\frac{5}{13}$



8. $\cos\left(\operatorname{arccot}\frac{4}{3} + \operatorname{arctan}\frac{4}{3}\right)$ ifadesi hangisine eşittir?

- A) $-\frac{4}{5}$ B) $-\frac{3}{5}$ C) 0 D) $\frac{3}{5}$ E) $\frac{4}{5}$



9. $\cos\left(2\operatorname{arcsin}\frac{1}{3}\right)$ ifadesi hangisine eşittir?

- A) $-\frac{4}{5}$ B) $\frac{5}{9}$ C) $\frac{2}{3}$ D) $\frac{7}{9}$ E) $\frac{5}{6}$



10. Aşağıdaki ifadelerin hangilerinin periyotları doğru verilmiştir.

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

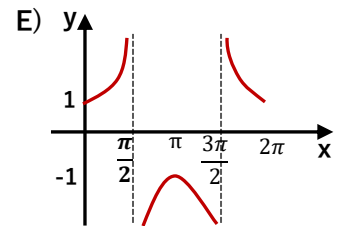
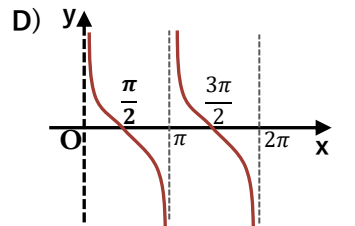
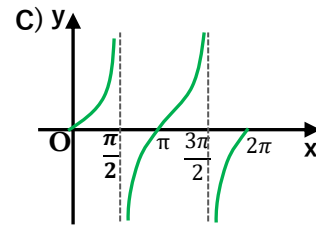
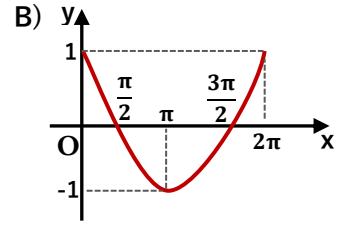
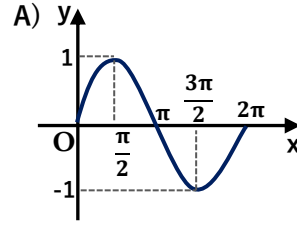
II) $\cos^3(7x+1)$ Periyot = $\frac{2\pi}{7}$

III) $\cot(3x+5)$ Periyot = $\frac{\pi}{3}$

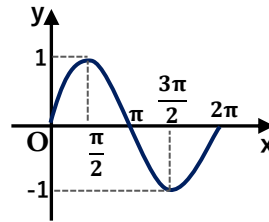
- A) I B) I,III C) II,III D) I,II E) Hepsi



11. Aşağıdakilerden hangisi $y = \cos x$ in grafiğidir?



12.



Yandaki grafik
aşağıdakilerden
hangisinin grafiğidir?

- A) $y = \sin x$ B) $y = \cos x$ C) $y = \tan x$
D) $y = \cot x$ E) $y = \sec x$



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E C D

C B A