

1. $\lim_{x \rightarrow \infty} \left(1 + \frac{1}{x}\right)^x = e$

olduđuna gore, $\lim_{x \rightarrow \infty} \left(1 + \frac{3}{x}\right)^{2x}$ limitinin deđeri katır?

- A) e^2 B) e^3 C) e^4 D) e^5 E) e^6

2. $\lim_{x \rightarrow \infty} \left(1 + \frac{1}{x}\right)^{1-2x}$

limitinin deđeri katır?

- A) e^{-2} B) e^{-1} C) 1 D) e E) e^2

3. $\lim_{x \rightarrow \infty} \left(\frac{2x+k}{2x+3}\right)^{2x-1} = e^2$

olduđuna gore, k katır?

- A) 3 B) 4 C) 5 D) 6 E) 7

4. $\lim_{x \rightarrow \infty} \left(\frac{3x+15}{3x+3}\right)^{\frac{x-1}{2}}$

limitinin deđeri katır?

- A) 4 B) 1 C) e D) e^2 E) e^4

5. $\lim_{x \rightarrow \infty} (e^{3x})^{\frac{1}{x-2}}$

limitinin deđeri katır?

- A) e^4 B) e^3 C) e^2 D) e E) 1

6. $\lim_{x \rightarrow \infty} \ln \left(\frac{2x-3}{2x+1}\right)^x$

limitinin deđeri katır?

- A) 4 B) 2 C) 1 D) -1 E) -2

7. $\lim_{x \rightarrow \infty} \left(\frac{3x+5}{3x-4}\right)^{-x+3}$

limitinin deđeri katır?

A) -3 B) 3 C) e^{-3} D) e^3 E) e^9

8.

$$\lim_{x \rightarrow 0} (1 + \sin 2x)^{\frac{1}{3x}}$$

limitinin değeri kaçtır?

A) $e^{\frac{3}{2}}$ B) $e^{\frac{2}{3}}$ C) 2 D) e^2 E) e^3

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Cevaplar :

1)E, 2)A, 3)C, 4)D, 5)B, 6)E, 7)C, 8)B,