

1. $+3^{-3} \cdot \left(+\frac{1}{3}\right)^{-2} = -\frac{1}{27} \cdot 9 = \frac{1}{3}$

işleminin sonucu kaçtır?

- A) -27 B) -9 C) -3 D) ~~-\frac{1}{3}~~ E) ~~-\frac{1}{9}~~

2. $(x-3)^{-3} = -\frac{1}{64} = -4^{-3} = (-4)^{-3}$

olduğuna göre, x kaçtır?

- A) -7 B) -3 C) -1 D) 3 E) 7

3. $\frac{4^0 - 2^{-1}}{\left(-\frac{1}{2}\right)^{-3}} - \frac{1 - \frac{1}{2}}{8} = -\frac{1}{2} \cdot \frac{1}{8} = -\frac{1}{16}$

işleminin sonucu kaçtır?

- A) -16 B) -8 C) -4 D) ~~-\frac{1}{4}~~ E) ~~-\frac{1}{16}~~

4. $\left(\frac{8}{27}\right)^{-2} = a^3$ $\left(\frac{27}{8}\right)^2 = \left(\frac{3^3}{2^3}\right)^2 = 0^3$

olduğuna göre, a kaçtır?

- A) ~~\frac{2}{3}~~ B) ~~\frac{3}{4}~~ C) ~~\frac{9}{4}~~ D) ~~\frac{3}{8}~~ E) ~~\frac{9}{8}~~

5. $\left(\left(+\frac{1}{2}\right)^{-2}\right)^3 = (2^2)^3 = 64$

işleminin sonucu kaçtır?

- A) ~~-64~~ B) ~~32~~ C) 8 D) 32 E) ~~64~~

6. $\frac{2^{-3}}{(1+7^{-1})^{-1}} : \frac{1}{7} = \frac{1}{8} \cdot \frac{8}{7} = \frac{1}{7}$

işleminin sonucu kaçtır?

- A) 49 B) 7 C) 1 D) ~~\frac{1}{7}~~ E) ~~\frac{1}{49}~~

7. $3^2 \cdot \frac{1-3^{-4}}{1-3^{-2}} = 3^2 \cdot \frac{1+3^{-2}}{1+\frac{1}{3}} = 9 \cdot \frac{10}{9} = 10$

işleminin sonucu kaçtır?

- A) 4 B) 5 C) 8 D) 9 E) ~~10~~

8. $\frac{6^{-2} - 4 \cdot 6^{-3}}{3^{-2} - 2 \cdot 3^{-3}} = \frac{6^{-3}(6^1 - 4)}{3^{-3}(3^1 - 2)} = \frac{3^{-3} \cdot 2^3 \cdot 2^1}{3^{-3} \cdot 3^1} = \frac{1}{4}$

işleminin sonucu kaçtır?

- A) ~~\frac{1}{3}~~ B) ~~\frac{2}{3}~~ C) ~~\frac{1}{4}~~ D) ~~\frac{2}{9}~~ E) ~~\frac{4}{9}~~

1-D

2-C

3-E

4-C

5-E

6-C

7-E

8-C