

**Ketma-ketlikning limitini toping.**

1. 
$$\lim_{n \rightarrow \infty} \frac{(3-n)^2 + (3+n)^2}{(3-n)^2 - (3+n)^2}$$

3. 
$$\lim_{n \rightarrow \infty} \frac{(3-n)^4 - (2-n)^4}{(1-n)^3 - (1+n)^3}$$

5. 
$$\lim_{n \rightarrow \infty} \frac{(6-n)^2 - (6+n)^2}{(6+n)^2 - (1-n)^2}$$

7. 
$$\lim_{n \rightarrow \infty} \frac{(1+2n)^3 - 8n^3}{(1+2n)^2 + 4n^2}$$

9. 
$$\lim_{n \rightarrow \infty} \frac{(3-n)^3}{(n+1)^2 - (n+1)^3}$$

11. 
$$\lim_{n \rightarrow \infty} \frac{2(n+1)^3 - (n-2)^3}{n^2 + 2n - 3}$$

13. 
$$\lim_{n \rightarrow \infty} \frac{(n+3)^3 + (n+4)^3}{(n+3)^4 - (n+4)^4}$$

15. 
$$\lim_{n \rightarrow \infty} \frac{8n^3 - 2n}{(n+1)^4 - (n-1)^4}$$

17. 
$$\lim_{n \rightarrow \infty} \frac{(2n-3)^3 - (n+5)^3}{(3n-1)^3 + (2n+3)^3}$$

19. 
$$\lim_{n \rightarrow \infty} \frac{(2n+1)^3 + (3n+2)^3}{(2n+3)^3 - (n-7)^3}$$

21. 
$$\lim_{n \rightarrow \infty} \frac{(2n+1)^3 - (2n+3)^3}{(2n+1)^2 + (2n+3)^2}$$

23. 
$$\lim_{n \rightarrow \infty} \frac{(n+2)^4 - (n-2)^4}{(n+5)^2 + (n-5)^2}$$

25. 
$$\lim_{n \rightarrow \infty} \frac{(n+1)^3 - (n-1)^3}{(n+1)^2 - (n-1)^2}$$

27. 
$$\lim_{n \rightarrow \infty} \frac{(n+2)^3 + (n-2)^3}{n^4 + 2n^2 - 1}$$

29. 
$$\lim_{n \rightarrow \infty} \frac{(n+1)^3 + (n-1)^3}{n^3 + 1}$$

2. 
$$\lim_{n \rightarrow \infty} \frac{(3-n)^4 - (2-n)^4}{(1-n)^4 - (1+n)^4}$$

4. 
$$\lim_{n \rightarrow \infty} \frac{(1-n)^4 - (1+n)^4}{(1+n)^3 - (1-n)^3}$$

6. 
$$\lim_{n \rightarrow \infty} \frac{(n+1)^3 - (n+1)^2}{(n-1)^3 - (n+1)^3}$$

8. 
$$\lim_{n \rightarrow \infty} \frac{(3-4n)^2}{(n-3)^3 - (n+3)^3}$$

10. 
$$\lim_{n \rightarrow \infty} \frac{(n+1)^2 + (n-1)^2 - (n+2)^3}{(4-n)^3}$$

12. 
$$\lim_{n \rightarrow \infty} \frac{(n+1)^3 + (n+2)^3}{(n+4)^3 + (n+5)^3}$$

14. 
$$\lim_{n \rightarrow \infty} \frac{(n+1)^4 - (n-1)^4}{(n+1)^3 + (n-1)^3}$$

16. 
$$\lim_{n \rightarrow \infty} \frac{(n+6)^3 - (n+1)^3}{(2n+3)^2 + (n+4)^2}$$

18. 
$$\lim_{n \rightarrow \infty} \frac{(n+10)^2 + (3n+1)^2}{(n+6)^3 - (n+1)^3}$$

20. 
$$\lim_{n \rightarrow \infty} \frac{(n+7)^3 - (n+2)^3}{(3n+2)^2 + (4n+1)^2}$$

22. 
$$\lim_{n \rightarrow \infty} \frac{n^3 - (n-1)^3}{(n+1)^4 - n^4}$$

24. 
$$\lim_{n \rightarrow \infty} \frac{(n+1)^4 - (n-1)^4}{(n+1)^3 + (n-1)^3}$$

26. 
$$\lim_{n \rightarrow \infty} \frac{(n+1)^3 - (n-1)^3}{(n+1)^2 + (n-1)^2}$$

28. 
$$\lim_{n \rightarrow \infty} \frac{(n+1)^3 + (n-1)^3}{n^3 - 3n}$$

30. 
$$\lim_{n \rightarrow \infty} \frac{(n+2)^2 - (n-2)^2}{(n+3)^2}$$