♡រូបមន្តសង្ខេប រាងកាណូនិចនៃអនុគមន៍សំខាន់ៗចាំច ១០♡

រៀបរៀច និងបង្រៀនដោយ: ស៊ុំ សំអុន
☎ទូរស័ព្ទ: ០៩៦ ៩៤០ ៥៨៤០☎

1. $f(x)=\dfrac{\alpha x+\beta}{ax+b}$ គេបាន
$f(x)=A+\dfrac{B}{ax+b}$

2. $f(x)=\dfrac{\alpha x+\beta}{(ax+b)^2}$ គេបាន
$f(x)=\dfrac{A}{ax+b}+\dfrac{B}{(ax+b)^2}$

3. $f(x)=\dfrac{\alpha x^2+\beta x+\lambda}{ax+b}$ គេបាន
$f(x)=Ax+B+\dfrac{C}{ax+b}$

4. $f(x)=\dfrac{\alpha x^2+\beta x+\lambda}{(ax+b)^2}$ គេបាន
$f(x)=A+\dfrac{B}{ax+b}+\dfrac{C}{(ax+b)^2}$

5. $f(x)=\dfrac{\alpha x^2+\beta x+\lambda}{(ax+b)(cx+d)}$ គេបាន
$f(x)=A+\dfrac{B}{ax+b}+\dfrac{C}{cx+d}$

6. $f(x)=\dfrac{\alpha x^2+\beta x+\lambda}{x^3-a^3}$ គេបាន
$f(x)=\dfrac{A}{x+a}+\dfrac{Bx+C}{x^2+ax+a^2}$

7. $f(x)=\dfrac{\alpha x^2+\beta x+\lambda}{ax^2+bx+c}$; $b^2-4ac<0$ គេបាន
$f(x)=A+\dfrac{Bx+C}{x^2+bx+c}$

8. $f(x)=\dfrac{\alpha x+\beta}{ax^2+bx+c}$; $b^2-4ac<0$ គេបាន
$f(x)=\dfrac{A(2ax+b)+B}{x^2+bx+c}$

9. $f(x)=\dfrac{\alpha x+\beta}{(ax+b)(cx+d)}$ គេបាន
$f(x)=\dfrac{A}{ax+b}+\dfrac{B}{cx+d}$

10. $f(x)=\dfrac{\alpha}{(ax+b)(cx+d)}$ គេបាន
$f(x)=\dfrac{A}{ax+b}+\dfrac{B}{cx+d}$

លំហាត់គំរូសម្រាប់អនុវត្តន៍!

I ចូរសរសេរអនុគមន៍សនិទានខាងក្រោមជាទម្រង់កាណូនិច រួចគណនាអាំងតេក្រាលមិនកំណត់នៃអនុគមន៍នីមួយៗ៖

1. $f(x)=\dfrac{2x+3}{x-3}$
2. $f(x)=\dfrac{4x+5}{2x+1}$
3. $f(x)=\dfrac{4x-3}{x+2}$
4. $f(x)=\dfrac{x+1}{(x+1)^2}$
5. $f(x)=\dfrac{3x+2}{(x-3)^2}$
6. $f(x)=\dfrac{x}{(2x-1)^2}$
7. $f(x)=\dfrac{2x-5}{(3x-2)^2}$
8. $f(x)=\dfrac{x^2+x+1}{x+2}$
9. $f(x)=\dfrac{2x^2-x+3}{x-3}$
10. $f(x)=\dfrac{x^2+3+5}{2x+1}$
11. $f(x)=\dfrac{x^2-3x+4}{3x+2}$
12. $f(x)=\dfrac{2x^2+x+1^2}{x+3}$
13. $f(x)=\dfrac{x^2+3x-4}{(x+5)^2}$
14. $f(x)=\dfrac{x^2+2}{(2x+1)^2}$
15. $f(x)=\dfrac{x^2}{x^2-1}$
16. $f(x)=\dfrac{x^2-3x+1}{(x-1)(2x+3)}$
17. $f(x)=\dfrac{x^2-5x+4}{(2x-1)(1-x)}$
18. $f(x)=\dfrac{x^2+x+1}{(x+1)(x+2)}$
19. $f(x)=\dfrac{x^2+4}{x^2-9}$
20. $f(x)=\dfrac{x^2}{x^2-4}$
21. $f(x)=\dfrac{2x^2-5x+11}{x^3-8}$
22. $f(x)=\dfrac{4x^2+3x+7}{(x-2)(2-3x)^2}$
23. $f(x)=\dfrac{2x^2-5x+17}{(x-2)^2(x+3)}$
24. $f(x)=\dfrac{2x^2-11x+20}{(x-3)^2(x+2)}$
25. $f(x)=\dfrac{3x^2+x-4}{x^2+2x+4}$
26. $f(x)=\dfrac{x^2-3x+4}{2x^2+3x+3}$
27. $f(x)=\dfrac{5x+11}{x^2+4}$
28. $f(x)=\dfrac{2x}{2x^2+x+2}$
29. $f(x)=\dfrac{x+1}{(x+2)(x+3)}$

30 $f(x) = \dfrac{2x+3}{(1-x)(x-2)}$

31 $f(x) = \dfrac{x}{(x-1)(1-x)}$

32 $f(x) = \dfrac{-4}{x^2-4}$

33 $f(x) = \dfrac{3}{x^2-1}$

34 $f(x) = \dfrac{\sqrt{2}}{x^2-2}$

35 $f(x) = \dfrac{-\sqrt{3}}{x^2-3}$

36 $f(x) = \dfrac{-6}{(x+1)(x-2)}$

37 $f(x) = \dfrac{10}{x^2+3x+2}$

38 $f(x) = \dfrac{8}{2x^2+2x-4}$

សូមសំណាងល្អ!