

Д.з. 19. Найти интервалы возрастания и убывания, точки максимума и минимума, интервалы выпуклости вниз и вверх, точки перегиба функции

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