Индивидуальное задание.

Вычислить значение функции $f(x)$ с точностью до сотых в точках x из списка X.

Указание. Воспользуйтесь методом evalf() для получения приближенного значения. Значения f в точках из списка X выведите в виде списка.

N1

$$f(x) = \log\left(8x^3 - 3x^2 + 2x + 4\right)\tan\left(3x^2 + 3x + 1\right) \qquad X = [0,\ \pi,\ 2\pi]$$

N2

$$f(x) = e^{-4x^3+4x^2+4x+3}\tan\left(x^2 + x - 4\right) \qquad X = [2,\ 2+3\pi,\ 2+6\pi]$$

N3

$$f(x) = e^{4x^3+2x^2+2x-3}\log\left(3x^2 + 3x + 4\right) \qquad X = [1,\ 1+4\pi,\ 1+6\pi]$$

N4

$$f(x) = \sin\left(3x^2 + 3x - 1\right) - \tan\left(x^3 + 3x^2 + x - 1\right) \qquad X = [-2,\ -2+\pi,\ -2+2\pi]$$

N5

$$f(x) = e^{9x^2+4x+1} - \cos\left(5x^3 - 2x^2 + 4x - 1\right) \qquad X = [1,\ 1+3\pi,\ 1+6\pi]$$

N6

$$f(x) = \log\left(x^3 - x^2 + x + 1\right) + \cos\left(9x^2 + 2x - 1\right) \qquad X = [1,\ 1+2\pi,\ 1+5\pi]$$

N7

$$f(x) = \log\left(4x^3 - 2x^2 + 4x - 1\right) + \cos\left(9x^2 - x\right) \qquad X = [1,\ 1+2\pi,\ 1+6\pi]$$

N8

$$f(x) = \frac{e^{7x^2+x-3}}{\log\left(8x^3 - 3x^2 + 2x + 4\right)} \qquad X = [1,\ 1+2\pi,\ 1+3\pi]$$

N9

$$f(x) = \frac{\tan\left(7x^2 + 2x - 4\right)}{\log\left(5x^3 + 3x^2 - 4x - 1\right)} \qquad X = [-1,\ -1+4\pi,\ -1+7\pi]$$

N10

$$f(x) = e^{9x^3-x^2+x-3}\log\left(9x^2 - 3\right) \qquad X = [1,\ 1+3\pi,\ 1+7\pi]$$

N11

$$f(x) = -\sin\left(-3x^2 + 4x + 1\right)\tan\left(3x^3 - 2x^2 + 3x - 2\right) \qquad X = [2,\ 2+4\pi,\ 2+7\pi]$$

N12

$$f(x) = \frac{\log\left(3x^2 - 2x\right)}{\cos\left(7x^3 - 4x^2 + 4x - 1\right)} \qquad X = [1,\ 1+4\pi,\ 1+6\pi]$$

N13

$$f(x) = \frac{\log\left(9x^2 + 4x + 2\right)}{\tan\left(6x^3 + 2x^2 - 2x + 1\right)} \qquad X = [0,\ \pi,\ 4\pi]$$

N14

$$f(x) = \sin\left(x^2 + 3x - 1\right)\cos\left(3x^3 + 3x^2 - 2x + 2\right) \qquad X = [1,\ 1+\pi,\ 1+4\pi]$$

N15

$$f(x) = \sin\left(5x^3 - 2x^2 + 4x - 2\right) + \tan\left(6x^2 + x - 1\right) \qquad X = [1,\ 1+4\pi,\ 1+8\pi]$$

N16

$$f(x) = e^{4x^2+3x-1} - \tan\left(9x^3 + 4x^2 - 3x + 3\right) \qquad X = [1,\ 1+4\pi,\ 1+7\pi]$$

N17

$$f(x) = e^{-2x^3+2x^2-3x+4}\log\left(8x^2 - x + 4\right) \qquad X = [2,\ 2+4\pi,\ 2+7\pi]$$

N18

$$f(x) = \sin\left(3x^3 - x^2 - 4x + 4\right)\tan\left(8x^2 + 3x + 3\right) \qquad X = [-1,\ -1+3\pi,\ -1+4\pi]$$

N19

$$f(x) = \log\left(x^3 + x^2 - 2x - 4\right)\cos\left(2x^2 - 4x\right) \qquad X = [3,\ 3+\pi,\ 3+5\pi]$$

N20

$$f(x) = \cos\left(8x^2 + 2x + 4\right)\tan\left(3x^3 + 2x + 2\right) \qquad X = [0,\ \pi,\ 2\pi]$$

N21

$$f(x) = \log\left(5x^3 - 2x^2 - x + 3\right)\tan\left(4x^2 + x - 2\right) \qquad X = [1,\ 1+2\pi,\ 1+4\pi]$$

N22

$$f(x) = \log\left(9x^3 + x^2\right)\cos\left(-2x^2 + 3x + 1\right) \qquad X = [2,\ 2+3\pi,\ 2+5\pi]$$

N23

$$f(x) = e^{6x^3+2x^2-3x+3} + \sin\left(8x^2 + x + 4\right) \qquad X = [-1,\ -1+2\pi,\ -1+5\pi]$$

N24

$$f(x) = \sin\left(7x^2 - 2x + 1\right) + \cos\left(8x^3 - 3x^2 + 4x + 4\right) \qquad X = [0,\ 4\pi,\ 6\pi]$$

N25

$$f(x) = -\log\left(4x^2 - 3x + 1\right)\sin\left(-2x^3 + 3x^2 + 4x + 1\right) \qquad X = [3,\ 3+3\pi,\ 3+6\pi]$$

N26

$$f(x) = \frac{\sin\left(9x^2 + 2x + 1\right)}{\cos\left(3x^3 - 3x^2 - 3x + 4\right)} \qquad X = [-1,\ -1+2\pi,\ -1+5\pi]$$

N27

$$f(x) = e^{6x^2+x-2} + \cos\left(-9x^3 + x^2 + 4x + 4\right) \qquad X = [2,\ 2+\pi,\ 2+4\pi]$$

N28

$$f(x) = e^{-2x^3-3x^2-2x}\sin\left(4x^2 - x + 3\right) \qquad X = [1,\ 1+\pi,\ 1+2\pi]$$

N29

$$f(x) = \frac{e^{8x^2-4x-2}}{\cos\left(3x^3-3x^2-3x+1\right)} \qquad X = [2,\ 2+3\pi,\ 2+7\pi]$$

N30

$$f(x) = e^{3x^2+4x-2} - \log\left(7x^3+3x+2\right) \qquad X = [1,\ 1+3\pi,\ 1+7\pi]$$

N31

$$f(x) = e^{5x^2+4x-2} + \cos\left(3x^3+4x^2-3x+2\right) \qquad X = [1,\ 1+2\pi,\ 1+5\pi]$$

N32

$$f(x) = \cos\left(2x^2+x-1\right) + \tan\left(8x^3-x^2+3x+2\right) \qquad X = [1,\ 1+3\pi,\ 1+5\pi]$$

N33

$$f(x) = \frac{e^{6x^2-2x-4}}{\sin\left(9x^3+2x+4\right)} \qquad X = [2,\ 2+4\pi,\ 2+5\pi]$$

N34

$$f(x) = e^{7x^2+x-2} + \log\left(5x^3-4x^2-3\right) \qquad X = [2,\ 2+2\pi,\ 2+3\pi]$$

N35

$$f(x) = e^{x^2-2x-2} - \tan\left(6x^3-4x^2+2x+1\right) \qquad X = [3,\ 3+2\pi,\ 3+3\pi]$$

N36

$$f(x) = \frac{\log\left(x^2+4x-4\right)}{\tan\left(8x^3+4x-2\right)} \qquad X = [1,\ 1+3\pi,\ 1+7\pi]$$

N37

$$f(x) = \sin\left(5x^2+2\right) - \cos\left(-x^3+3x^2+2x+1\right) \qquad X = [4,\ 4+4\pi,\ 4+8\pi]$$

N38

$$f(x) = \sin\left(3x^3+2x^2-2x-4\right) + \cos\left(-x^2+4x+4\right) \qquad X = [5,\ 5+3\pi,\ 5+6\pi]$$

N39

$$f(x) = \log\left(x^3-x^2-4x+1\right) + \sin\left(4x^2+3x-1\right) \qquad X = [3,\ 3+\pi,\ 3+3\pi]$$

N40

$$f(x) = -\sin\left(8x^3+3x-1\right) + \tan\left(9x^2-4\right) \qquad X = [1,\ 1+3\pi,\ 1+7\pi]$$

N41

$$f(x) = e^{2x^2+x-3} + \sin\left(4x^3+x^2-x+4\right) \qquad X = [2,\ 2+3\pi,\ 2+5\pi]$$

N42

$$f(x) = e^{x^2-1} - \tan\left(8x^3+3x^2+4x-4\right) \qquad X = [2,\ 2+3\pi,\ 2+4\pi]$$

N43

$$f(x) = e^{9x^3-3x^2-4x+1}\cos\left(x^2-4x+1\right) \qquad X = [0,\ 2\pi,\ 6\pi]$$

N44

$$f(x) = \cos\left(7x^2 + x - 4\right) \tan\left(7x^3 + 3x^2 + x - 2\right) \qquad X = [1,\ 1 + 4\pi,\ 1 + 5\pi]$$

N45

$$f(x) = \log\left(x^3 - x^2 - 3x + 1\right) \tan\left(7x^2 - 3\right) \qquad X = [-1,\ -1 + 2\pi,\ -1 + 3\pi]$$

N46

$$f(x) = -e^{9x^3+3x^2+3} + \cos\left(x^2 - x\right) \qquad X = [2,\ 2 + \pi,\ 2 + 3\pi]$$

N47

$$f(x) = e^{2x^2-4x+2} - \log\left(5x^3 + 4x\right) \qquad X = [2,\ 2 + 2\pi,\ 2 + 4\pi]$$

N48

$$f(x) = \log\left(4x^2 + 3x - 4\right) \cos\left(7x^3 - 3x^2 + x - 2\right) \qquad X = [1,\ 1 + 3\pi,\ 1 + 6\pi]$$

N49

$$f(x) = \frac{\log\left(6x^2 + 4x + 4\right)}{\sin\left(x^3 + x^2 + 2\right)} \qquad X = [-1,\ -1 + 2\pi,\ -1 + 3\pi]$$

N50

$$f(x) = \frac{\log\left(7x^2 - 4x + 3\right)}{\tan\left(3x^3 + 3x^2 + x\right)} \qquad X = [1,\ 1 + 4\pi,\ 1 + 8\pi]$$

N51

$$f(x) = \frac{\tan\left(9x^2 + 4x\right)}{\cos\left(6x^3 - 3x^2 + 3x + 4\right)} \qquad X = [1,\ 1 + 3\pi,\ 1 + 5\pi]$$

N52

$$f(x) = \frac{\cos\left(-5x^2 + 3x + 4\right)}{\tan\left(2x^3 + x^2 - 2x\right)} \qquad X = [-1,\ -1 + 2\pi,\ -1 + 3\pi]$$

N53

$$f(x) = -e^{9x^3-2x^2-3x} + \sin\left(2x^2 - 4x\right) \qquad X = [3,\ 3 + 3\pi,\ 3 + 5\pi]$$

N54

$$f(x) = e^{5x^3+x^2-4x-2} + \cos\left(8x^2 + 4x - 3\right) \qquad X = [2,\ 2 + 2\pi,\ 2 + 6\pi]$$

N55

$$f(x) = \frac{\log\left(6x^2 + 2x + 2\right)}{\sin\left(5x^3 - 4x^2 + 2x - 2\right)} \qquad X = [1,\ 1 + 2\pi,\ 1 + 5\pi]$$

N56

$$f(x) = -\log\left(5x^3 - 2x^2 + 2x + 4\right) + \sin\left(5x^2 + x\right) \qquad X = [1,\ 1 + \pi,\ 1 + 4\pi]$$

N57

$$f(x) = \sin\left(x^2 + x + 3\right) \cos\left(x^3 - 4x^2 + 2x + 1\right) \qquad X = [0,\ 3\pi,\ 4\pi]$$

N58

$$f(x) = \frac{e^{5x^2+2}}{\tan\left(8x^3 - 2x^2 + 3\right)} \qquad X = [0,\ \pi,\ 4\pi]$$

N59

$$f(x) = \cos\left(3x^3 + 2x^2 + 1\right) \tan\left(5x^2 - 4x + 4\right) \qquad X = [0,\ 4\pi,\ 7\pi]$$

N60

$$f(x) = \frac{\log\left(8x^2 - 4x + 2\right)}{\sin\left(6x^3 + 2x^2 + 2x\right)} \qquad X = [1,\ 1 + \pi,\ 1 + 2\pi]$$

N61

$$f(x) = \sin\left(4x^3 + 3x^2 - x\right) \cos\left(6x^2 - 3x\right) \qquad X = [1,\ 1 + 2\pi,\ 1 + 3\pi]$$

N62

$$f(x) = \log\left(6x^2 + 3x + 4\right) \tan\left(3x^3 + 4x - 2\right) \qquad X = [1,\ 1 + \pi,\ 1 + 4\pi]$$

N63

$$f(x) = -\log\left(x^3 + 2x^2 - x + 1\right) + \tan\left(5x^2 + 3x + 3\right) \qquad X = [-2,\ -2 + 3\pi,\ -2 + 7\pi]$$

N64

$$f(x) = e^{7x^3 - 2x^2 - 4x - 4} \sin\left(5x^2 - 4\right) \qquad X = [2,\ 2 + 3\pi,\ 2 + 5\pi]$$

N65

$$f(x) = -e^{x^3 + x^2 + x - 1} \tan\left(-9x^2 + x + 3\right) \qquad X = [1,\ 1 + 3\pi,\ 1 + 6\pi]$$

N66

$$f(x) = \cos\left(-2x^3 + 4x^2 + 4x + 3\right) \tan\left(2x^2 - x + 1\right) \qquad X = [3,\ 3 + 4\pi,\ 3 + 5\pi]$$

N67

$$f(x) = e^{9x^3 + 3x^2 + 3x} \sin\left(x^2 - 4x + 2\right) \qquad X = [4,\ 4 + 4\pi,\ 4 + 7\pi]$$

N68

$$f(x) = \sin\left(5x^2 - 4\right) \tan\left(6x^3 + 4x^2 - 2x + 3\right) \qquad X = [-1,\ -1 + \pi,\ -1 + 3\pi]$$

N69

$$f(x) = \frac{e^{7x^2 - 4x - 2}}{\sin\left(7x^3 + 3x^2 + x - 1\right)} \qquad X = [1,\ 1 + 4\pi,\ 1 + 8\pi]$$

N70

$$f(x) = e^{x^3 - x^2 + 2x - 2} \cos\left(-8x^2 + 2x + 2\right) \qquad X = [2,\ 2 + 3\pi,\ 2 + 6\pi]$$

N71

$$f(x) = \frac{e^{6x^2 - x}}{\cos\left(4x^3 + x^2 + 2x\right)} \qquad X = [1,\ 1 + 3\pi,\ 1 + 6\pi]$$

N72

$$f(x) = \log\left(8x^2 - 3x + 1\right) - \sin\left(8x^3 + x^2 - 3x\right) \qquad X = [1,\ 1 + 3\pi,\ 1 + 4\pi]$$

N73

$$f(x) = -\frac{\sin\left(-x^2+2x+2\right)}{\cos\left(6x^3-3x^2-3x+3\right)} \qquad X = [3,\ 3+2\pi,\ 3+4\pi]$$

N74

$$f(x) = \sin\left(x^3+x^2-3x+3\right) + \tan\left(x^2+3x-4\right) \qquad X = [2,\ 2+\pi,\ 2+4\pi]$$

N75

$$f(x) = \cos\left(3x^3-3x^2-x+3\right)\tan\left(6x^2-x+2\right) \qquad X = [0,\ 2\pi,\ 3\pi]$$

N76

$$f(x) = \frac{\log\left(3x^2-2x-2\right)}{\tan\left(3x^3+x^2+4x-1\right)} \qquad X = [2,\ 2+2\pi,\ 2+4\pi]$$

N77

$$f(x) = \cos\left(7x^2+4x-2\right)\tan\left(9x^3+2x^2+4x\right) \qquad X = [1,\ 1+4\pi,\ 1+8\pi]$$

N78

$$f(x) = e^{x^3-2x} + \sin\left(7x^2+2x-4\right) \qquad X = [-1,\ -1+4\pi,\ -1+8\pi]$$

N79

$$f(x) = \frac{e^{2x^2+2x+2}}{\sin\left(9x^3-3x^2-2x+3\right)} \qquad X = [0,\ 4\pi,\ 6\pi]$$

N80

$$f(x) = -\log\left(9x^3+x^2+2x-2\right) + \tan\left(6x^2-1\right) \qquad X = [1,\ 1+3\pi,\ 1+4\pi]$$

N81

$$f(x) = \frac{\log\left(2x^2-3x+4\right)}{\sin\left(2x^3+4x^2-1\right)} \qquad X = [-1,\ -1+4\pi,\ -1+7\pi]$$

N82

$$f(x) = \frac{\log\left(9x^2-4\right)}{\tan\left(2x^3-x+1\right)} \qquad X = [1,\ 1+3\pi,\ 1+4\pi]$$

N83

$$f(x) = -\frac{\log\left(3x^2-2x\right)}{\tan\left(-x^3+3x^2+4x\right)} \qquad X = [5,\ \pi+5,\ 5+3\pi]$$

N84

$$f(x) = \frac{e^{7x^2+4x+3}}{\sin\left(8x^3+2x^2-4x+4\right)} \qquad X = [-1,\ -1+\pi,\ -1+4\pi]$$

N85

$$f(x) = \sin\left(9x^3+3x^2+3x+4\right)\cos\left(7x^2+4x-3\right) \qquad X = [1,\ 1+\pi,\ 1+2\pi]$$

N86

$$f(x) = \log\left(3x^3+4x^2+4x\right)\sin\left(6x^2-2x+3\right) \qquad X = [1,\ 1+2\pi,\ 1+3\pi]$$

N87

$$f(x) = e^{x^2+3x-2} - \cos\left(2x^3 + 2x^2 + 2x + 4\right) \qquad X = [1,\ 1+4\pi,\ 1+7\pi]$$

N88

$$f(x) = \log\left(8x^2 - 3x + 3\right) - \sin\left(3x^3 - x + 3\right) \qquad X = [-1,\ -1+\pi,\ -1+4\pi]$$

N89

$$f(x) = \cos\left(-8x^2 + 4x + 2\right) - \tan\left(4x^3 - 3x^2 + 2x - 1\right) \qquad X = [1,\ 1+\pi,\ 1+5\pi]$$

N90

$$f(x) = -\cos\left(5x^3 + x^2 + 3\right) + \tan\left(9x^2 + x - 3\right) \qquad X = [1,\ 1+\pi,\ 1+5\pi]$$

N91

$$f(x) = \sin\left(6x^2 + 3\right)\cos\left(-6x^3 + x^2 + x + 3\right) \qquad X = [1,\ 1+4\pi,\ 1+7\pi]$$

N92

$$f(x) = \frac{\cos\left(-5x^2 + 3x + 1\right)}{\log\left(6x^3 - 4x^2 + x\right)} \qquad X = [1,\ 1+\pi,\ 1+5\pi]$$

N93

$$f(x) = \frac{e^{8x^2-2x-1}}{\sin\left(3x^3 + 3x^2 - 3x - 2\right)} \qquad X = [-1,\ -1+\pi,\ -1+4\pi]$$

N94

$$f(x) = \log\left(5x^2 - 2x + 3\right) + \sin\left(4x^3 - 3x^2 + 3\right) \qquad X = [0,\ 4\pi,\ 5\pi]$$

N95

$$f(x) = \frac{\tan\left(x^2 - 3x + 2\right)}{\log\left(4x^3 + 4x^2 - x\right)} \qquad X = [-1,\ -1+\pi,\ -1+5\pi]$$

N96

$$f(x) = \sin\left(5x^2 + 3x + 1\right) - \cos\left(5x^3 - 3x^2 + 3x + 2\right) \qquad X = [0,\ 4\pi,\ 5\pi]$$

N97

$$f(x) = -e^{x^3+3x^2+2x-1} + \tan\left(8x^2 - 2x\right) \qquad X = [1,\ 1+4\pi,\ 1+8\pi]$$

N98

$$f(x) = \log\left(3x^3 + 4x^2 + 3x + 1\right) + \tan\left(x^2 + x - 3\right) \qquad X = [2,\ 2+4\pi,\ 2+5\pi]$$

N99

$$f(x) = e^{4x^2+4} - \tan\left(3x^3 + 4x^2 + x - 3\right) \qquad X = [1,\ 1+3\pi,\ 1+7\pi]$$

N100

$$f(x) = -\sin\left(5x^3 + 4x^2 - 4x - 4\right) + \cos\left(2x^2 - 2x\right) \qquad X = [2,\ 2+2\pi,\ 2+5\pi]$$

N101

$$f(x) = \frac{\log\left(7x^2 + 3x - 3\right)}{\sin\left(2x^3 + 2x^2 + 4x - 3\right)} \qquad X = [1,\ 1+\pi,\ 1+5\pi]$$

N102

$$f(x) = \sin\left(6x^2 + 3x - 1\right)\cos\left(9x^3 + x^2 - 4x + 1\right) \qquad X = [1,\ 1 + 3\pi,\ 1 + 7\pi]$$

N103

$$f(x) = \log\left(2x^2 - 4x + 1\right) + \tan\left(3x^3 + 2x^2 + 2x + 4\right) \qquad X = [-1,\ -1 + 3\pi,\ -1 + 5\pi]$$

N104

$$f(x) = \frac{e^{5x^2+x-4}}{\sin\left(4x^3 - 2x^2 + x - 1\right)} \qquad X = [1,\ 1 + 4\pi,\ 1 + 8\pi]$$

N105

$$f(x) = \sin\left(8x^3 - x^2 + x + 1\right)\cos\left(2x^2 - 4x + 1\right) \qquad X = [0,\ \pi,\ 3\pi]$$

N106

$$f(x) = -\log\left(4x^3 + x^2 - 2x + 4\right) + \cos\left(-2x^2 + 3x + 4\right) \qquad X = [-1,\ -1 + 3\pi,\ -1 + 6\pi]$$

N107

$$f(x) = \sin\left(4x^3 + 4x^2 - x - 4\right) + \tan\left(2x^2 + 2x - 2\right) \qquad X = [1,\ 1 + 2\pi,\ 1 + 3\pi]$$

N108

$$f(x) = e^{6x^2+x+4} - \log\left(5x^3 + 3x^2 - 2x - 3\right) \qquad X = [1,\ 1 + 2\pi,\ 1 + 4\pi]$$

N109

$$f(x) = \sin\left(3x^2 + 4\right)\tan\left(7x^3 + 2x^2 + 4x + 4\right) \qquad X = [0,\ \pi,\ 5\pi]$$

N110

$$f(x) = \log\left(5x^3 - 3x^2 + 3x + 2\right)\sin\left(9x^2 + 2x - 3\right) \qquad X = [1,\ 1 + 3\pi,\ 1 + 7\pi]$$

N111

$$f(x) = e^{7x^2-4} + \tan\left(2x^3 + 2x^2 + 3x - 2\right) \qquad X = [1,\ 1 + 3\pi,\ 1 + 4\pi]$$

N112

$$f(x) = \cos\left(6x^2 + 4x - 2\right) - \tan\left(7x^3 + 3x^2 + 4x - 2\right) \qquad X = [1,\ 1 + 3\pi,\ 1 + 5\pi]$$

N113

$$f(x) = e^{-6x^3-x^2+4x-1}\log\left(7x^2 + 2x + 4\right) \qquad X = [0,\ 2\pi,\ 4\pi]$$

N114

$$f(x) = -e^{4x^3+3x^2+2x-1} + \sin\left(6x^2 + x - 3\right) \qquad X = [1,\ 1 + 4\pi,\ 1 + 5\pi]$$

N115

$$f(x) = \frac{\sin\left(4x^2 + 3x - 1\right)}{\tan\left(7x^3 + 2x^2 + 2x\right)} \qquad X = [1,\ 1 + \pi,\ 1 + 3\pi]$$

N116

$$f(x) = \frac{\tan\left(4x^2 + 3x - 3\right)}{\cos\left(2x^3 + x^2 + 4x - 3\right)} \qquad X = [1,\ 1 + 3\pi,\ 1 + 4\pi]$$

N117

$$f(x) = e^{6x^2+x+3} \sin\left(6x^3 + x^2 + 2x - 4\right) \qquad X = [1,\ 1+3\pi,\ 1+5\pi]$$

N118

$$f(x) = e^{6x^2-2x-1} - \log\left(6x^3 - x - 1\right) \qquad X = [1,\ 1+3\pi,\ 1+5\pi]$$

N119

$$f(x) = \log\left(5x^2 - 4x - 1\right) \tan\left(4x^3 + 4x^2 + 4x + 3\right) \qquad X = [2,\ 2+3\pi,\ 2+7\pi]$$

N120

$$f(x) = \log\left(3x^2 - 4x - 4\right) + \tan\left(4x^3 + 2x^2 - 4x + 3\right) \qquad X = [-1,\ -1+2\pi,\ -1+5\pi]$$

N121

$$f(x) = -\sin\left(6x^3 + 3x^2 + x - 3\right) + \tan\left(5x^2 + 2x - 1\right) \qquad X = [1,\ 1+2\pi,\ 1+4\pi]$$

N122

$$f(x) = \frac{\cos\left(6x^2 - 4\right)}{\log\left(9x^3 - 4x^2 - 4x + 4\right)} \qquad X = [1,\ 1+4\pi,\ 1+7\pi]$$

N123

$$f(x) = e^{-8x^3+4x^2+4x-4} \sin\left(5x^2 + 3x + 4\right) \qquad X = [0,\ \pi,\ 2\pi]$$

N124

$$f(x) = \log\left(x^2 + 4x + 1\right) + \tan\left(9x^3 + x^2 - x + 1\right) \qquad X = [0,\ 2\pi,\ 3\pi]$$

N125

$$f(x) = \frac{\log\left(2x^2 + 4x + 3\right)}{\cos\left(-5x^3 + 4x^2 + 3\right)} \qquad X = [2,\ 2+4\pi,\ 2+8\pi]$$

N126

$$f(x) = \log\left(9x^2 + 3x\right) - \cos\left(4x^3 - x + 1\right) \qquad X = [1,\ 1+3\pi,\ 1+6\pi]$$

N127

$$f(x) = -\log\left(6x^3 - x^2 - 3x + 4\right) \tan\left(-4x^2 + x + 4\right) \qquad X = [2,\ 2+3\pi,\ 2+4\pi]$$

N128

$$f(x) = e^{7x^3+x^2-4x-4} \tan\left(7x^2 + 3x + 4\right) \qquad X = [2,\ 2+3\pi,\ 2+4\pi]$$

N129

$$f(x) = \log\left(7x^2 - x - 3\right) - \sin\left(x^3 - 4x^2 + x + 4\right) \qquad X = [1,\ 1+\pi,\ 1+3\pi]$$

N130

$$f(x) = \frac{\tan\left(x^2 - x + 1\right)}{\log\left(3x^3 - x^2 - 4x - 3\right)} \qquad X = [2,\ 2+4\pi,\ 2+7\pi]$$

N131

$$f(x) = e^{4x^3-2x^2-x} \log\left(8x^2 - 3x + 4\right) \qquad X = [1,\ 1+3\pi,\ 1+7\pi]$$

N132

$$f(x) = \log\left(9x^3 - 2x^2 - 2x - 3\right)\sin\left(8x^2 - x + 3\right) \qquad X = [1,\ 1 + 2\pi,\ 1 + 6\pi]$$

N133

$$f(x) = -\frac{\log\left(6x^2 + x + 1\right)}{\tan\left(-2x^3 + 2x^2 + x + 2\right)} \qquad X = [2,\ 2 + 3\pi,\ 2 + 4\pi]$$

N134

$$f(x) = \log\left(6x^2 + 3x + 4\right)\cos\left(3x^3 + 3x^2 + 2x - 3\right) \qquad X = [1,\ 1 + 2\pi,\ 1 + 6\pi]$$

N135

$$f(x) = e^{3x^3 + 4x^2 + 3x + 3}\sin\left(3x^2 + 3x - 2\right) \qquad X = [1,\ 1 + 4\pi,\ 1 + 7\pi]$$

N136

$$f(x) = -\log\left(3x^3 - 3x^2 + x - 4\right) + \cos\left(2x^2 + x\right) \qquad X = [2,\ 2 + 4\pi,\ 2 + 5\pi]$$

N137

$$f(x) = -\log\left(x^3 - 2x^2 - 2x - 3\right) + \tan\left(4x^2\right) \qquad X = [4,\ 4 + 4\pi,\ 4 + 7\pi]$$

N138

$$f(x) = \sin\left(9x^2 + x - 2\right) - \cos\left(4x^3 - 2x^2 + x\right) \qquad X = [1,\ 1 + 4\pi,\ 1 + 8\pi]$$

N139

$$f(x) = \cos\left(3x^2 - 1\right)\tan\left(4x^3 - 2x^2 + 3x + 3\right) \qquad X = [1,\ 1 + 4\pi,\ 1 + 7\pi]$$

N140

$$f(x) = \log\left(6x^3 - 3x^2 - 3x - 1\right)\sin\left(3x^2 + x - 2\right) \qquad X = [2,\ 2 + 2\pi,\ 2 + 3\pi]$$

N141

$$f(x) = \sin\left(6x^2 + x + 4\right)\tan\left(7x^3 - 4x^2 + 2x\right) \qquad X = [1,\ 1 + 4\pi,\ 1 + 7\pi]$$

N142

$$f(x) = \frac{\cos\left(x^2 + 3x - 3\right)}{\log\left(5x^3 - 4x^2 - 4x + 1\right)} \qquad X = [2,\ 2 + 3\pi,\ 2 + 7\pi]$$

N143

$$f(x) = -\log\left(2x^3 - x^2 - 1\right)\tan\left(-9x^2 + 3x + 3\right) \qquad X = [2,\ 2 + 4\pi,\ 2 + 8\pi]$$

N144

$$f(x) = \log\left(3x^3 + 4x^2 - 2x - 4\right)\cos\left(4x^2 - 2x\right) \qquad X = [1,\ 1 + 4\pi,\ 1 + 8\pi]$$