

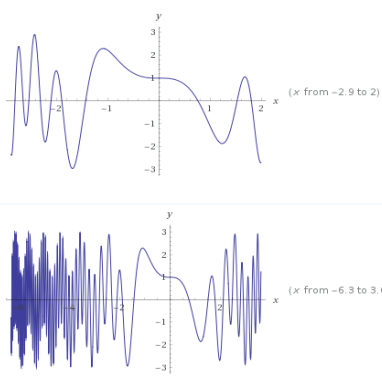
Zadanie 1 a)

plot $f(x)=\cos(x^2)-2\sin(x^3)$

Assuming 'plot' is a plotting function | Use as referring to geometry instead

Input interpretation:
plot $f(x) = \cos(x^2) - 2\sin(x^3)$

Plots:



Open code

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b)

derivate $f(x) = x^3 - x^2 + 5x$

Input interpretation:
differentiate $f(x) = x^3 - x^2 + 5x$ with respect to x

Open code

Result:
 $f'(x) = 3x^2 - 2x + 5$

Alternate form:
 $x(3x - 2) + 5 = f'(x)$

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Related Queries:
product rule, quotient rule, chain rule how old would Marius Sophus Lie be today?

c)

WolframAlpha computational intelligence.

maximize $f(x) = -x^2 + 5$

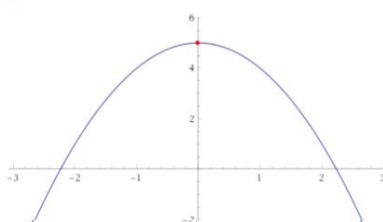
Interpreting "maximize" as "maximize"

Input interpretation:
maximize $-x^2 + 5$

Open code

Global maximum:
 $\max[-x^2 + 5] = 5$ at $x = 0$

Plot:



(x from -3 to 3)

Zadanie 2.

472 base 8 to base 2

Assuming "472 base 8" is a base 8 number | Use the input as a formula instead

Input interpretation:
convert 472₈ to base 2

Result: 100111010₂

Show exponent form Step-by-step solution

Open code

153 base 8 to base 2

Assuming "153 base 8" is a base 8 number | Use the input as a formula instead

Input interpretation:
convert 153₈ to base 2

Result: 1101011₂

Show exponent form Step-by-step solution

Open code

Decimal form: Step-by-step solution

544 base 8 to base 2

Assuming "544 base 8" is a base 8 number | Use the input as a formula instead

Input interpretation:
convert 544₈ to base 2

Result: 101100100₂

Show exponent form Step-by-step solution

Open code

1101001001 base 2 + 1001 base 2

Assuming "1001 base 2" is a base 2 number | Use "base" as a word or a unit instead

Input interpretation:
1101001001₂ + 1001₂

Result: 1101010010₂

Show exponent form

Open code

5467271 base 8 - 14311 base 8

Assuming "14311 base 8" is a base 8 number | Use "base" as a word or a unit instead
Assuming "5467271 base 8" is a base 8 number | Use "base" as a unit instead

Input interpretation:
5467271₈ - 14311₈

Result: 5452760₈

Show exponent form

Open code

zadanie 3.

a)

9th december 1999

Browse Examples Surprise Me

Input interpretation:
Thursday, December 9, 1999

Open code

Date formats:
1999-12-09 (year-month-day)

More formats/calendars

Anniversaries for December 9, 1999:

- birth of Elle Evans (1989-): 10th anniversary
- birth of Eric Bledsoe (1989-): 10th anniversary
- birth of Canibus (1974-): 25th anniversary
- Chiang Kai-shek loses control of Mainland China (1949): 50th anniversary
- SS Col. Eichmann is found guilty of war crimes (1961): 38th anniversary

b)

second of tuesday may 1942

Browse Examples Surprise Me

Input interpretation:
2nd Tuesday of May 1942

Result:
Tuesday, May 12, 1942

Date formats:
1942-05-12 (year-month-day)

More formats/calendars

c)

morse | Aleksandra Werda

Browse Examples Surprise Me

Input interpretation:
Morse code | Aleksandra Werda

Morse code translation:

· - | · - · - | · | - - | · · · | · - · | - · · | - · · | · · · |
A | L | E | K | S | A | N | D | R |
· - | | · - | · | · - · | - · · | · -
A | | W | E | R | D | A

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