

DWDI_12 – Zajęcia 9 - Angelika Iskra

1.

a) 15 pln to euro

b) manchester united last 5 games

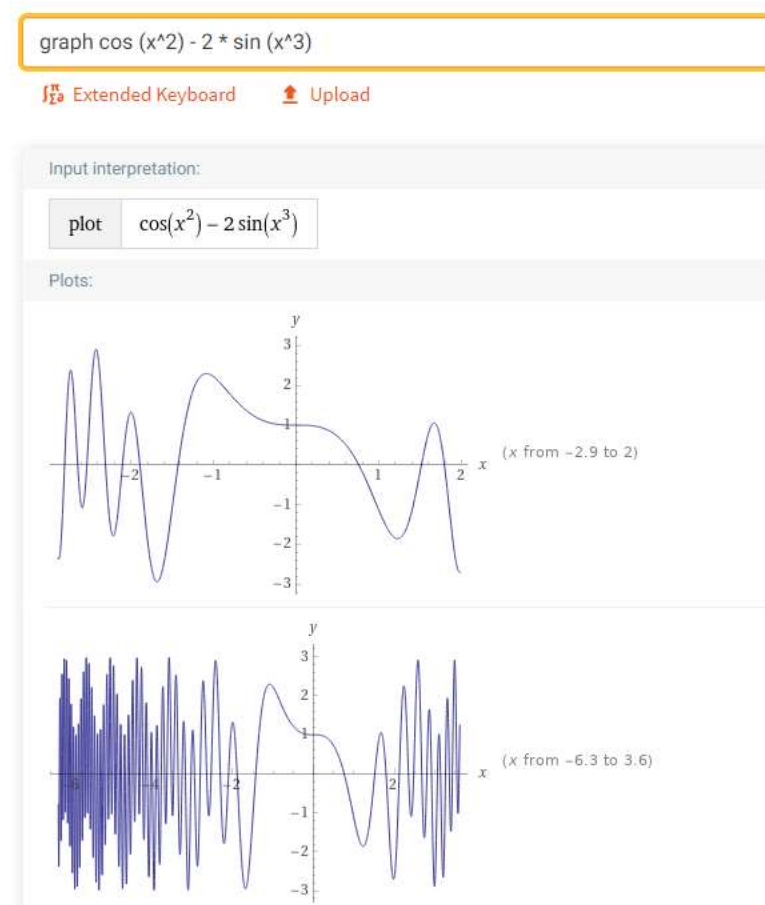
c) nelson mandela birth date and death date

2.

a) rafal jaworski site:wmi.amu.edu.pl



b) related:amu.edu.pl

3. a)



b)

derivative of $x^3 - x^2 + 5x$




 Extended Keyboard  Upload

Derivative:

$$\frac{d}{dx}(x^3 - x^2 + 5x) = 3x^2 - 2x + 5$$

c)

maximum $-x^2 + 5$

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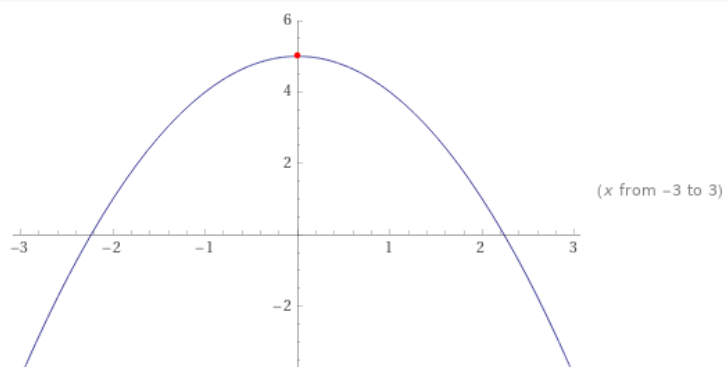
Input interpretation:

maximize $-x^2 + 5$

Global maximum:

$$\max\{-x^2 + 5\} = 5 \text{ at } x = 0$$

Plot:



4. a)

famous people born on Oct 27

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Assuming 'famous people' is famous people | Use as people instead
Assuming month/day | Use month/year instead

Input interpretation:
notable people born on October 27

Members:

Theodore Roosevelt | Sylvia Plath | James Cook | John Cleese | Arun Ralston | Marla Maples | Roy Lichtenstein | Scott Weiland | Kelly Osbourne | Erasmus | Stephan El Sharrawy | Dylan Thomas | Andrew Bynum | Niccolò Pagani | Lula Da Silva | Brady Quinn | Andrea Riseborough | Kıvanç Tatlıtuğ | Zab Judah | Dilip | ... (total: 509)

Basic information: Local historical calendar

	full name	date of birth	place of birth
Theodore Roosevelt	Theodore Roosevelt, Jr.	1858 (142 years ago)	New York City, New York, United States
Sylvia Plath	Sylvia Plath	1932 (88 years ago)	Boston, Massachusetts, United States
James Cook	James Cook	1728 (Julian calendar) (292 years ago)	England, United Kingdom
John Cleese	John Marwood Cleese	1939 (age: 81 years)	Weston-super-Mare, North Somerset,

b)

second Thursday in May 1942

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Input interpretation:
2nd Thursday of May 1942

Result:
Thursday, May 14, 1942

Date formats:
1942-05-14 (year-month-day)

Time difference from today (Tuesday, January 5, 2021):
78 years 7 months 22 days ago
4103 weeks 5 days ago
28 726 days ago
78.65 years ago

Time in 1942:
134th day
20th week

Observance for May 14, 1942 (Poland):
Ascension (religious day)

Events on May 14, 1942:

c)

morse code "Angelika Iskra"

Extended Keyboard Upload

Input interpretation:

Morse code Angelika Iskra

Morse code translation:

•— | —• | ——• | • | •—•• | •• | —•— | •— | |
A | N | G | E | L | I | K | A | |
•• | ••• | —•— | •—• | •—
I | S | K | R | A

5.

<https://docs.google.com/document/d/18L7MczoWOipwmsiueNKOrB83jXvR6gBXDo5al62Ngz0/edit?usp=sharing>