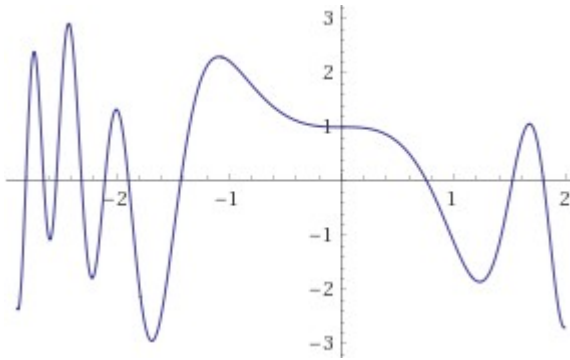
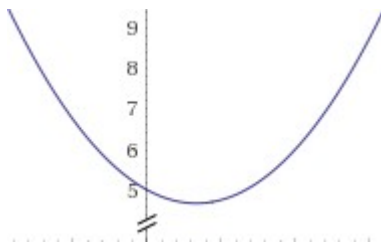


1.

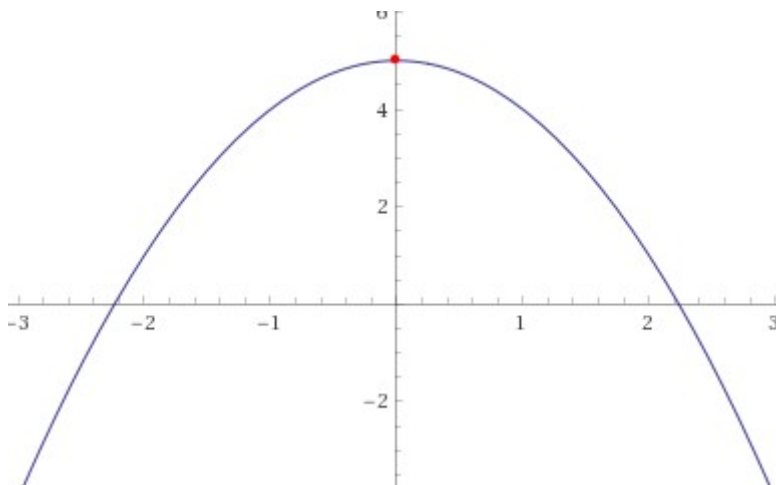
a) plot $\cos(x^2) - 2 \sin(x^3)$



b) $x^3 - x^2 + 5x$ derivative



c) $-x^2 + 5$ maximum



2.

a) 472 oct to bin

Input interpretation:

convert 472_8 to base 2

Result:

100111010_2

b) 153 oct to bin

Input interpretation:

convert 153_8 to base 2

Result:

1101011_2

c) 544 oct to bin

Input interpretation:

convert 544_8 to base 2

Result:

101100100_2

d) $1101001001_2 + 1001_2$

Input interpretation:

$1101001001_2 + 1001_2$

Result:

1101010010_2

e) $5467271_8 - 14311_8$

Input interpretation:

$5467271_8 - 14311_8$

Result:

5452760_8

3.

a) famous people born in 10 April

Input interpretation:

notable people born on April 10

Members:

More

Abdul Cader Shahul Hameed | Abdul Rahman Yasin | Abu Bakr
Khairat | AJ Michalka | Akio Sohda | Akwasi Owusu-Ansah | Albert
Buckley | Albert Geromini | Aleksei Vitallyevich Savelyev | Alexander
Arekeev | Alexander Eremenko | Alexander Leaf | Alexey Ekimyan |
Alex Pettyfer | Alf Lie | Aliko Dangote | Al Reyes | André Coumans |
Andre Ethier | André Van De Werve De Vosselaer | ... (total: 542)

b) 2nd tuesday of May 1942

Input interpretation:

2nd Tuesday of May 1942

Result:

Tuesday, May 12, 1942

Date formats:

1942-05-12 (year-month-day)

c) Jakub Kwiatkowski in Morse code

Input interpretation:

Morse code Jakub Kwiatkowski

Morse code translation:

• - - - | • - | - • - | • • - | - • • • | | - • - |
J | A | K | U | B | | K |
• - - | • • | • - | - | - • - | - - - | • - - | • • • |
W | I | A | T | K | O | W | S |
- • - | • •
K | I