

Test case 1

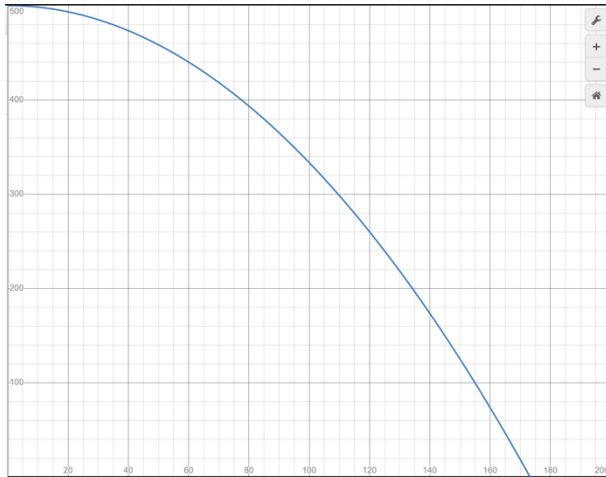
Power input as a numeric and within range

Input:

Enter power between 1 and 100: 60

Expected Output:

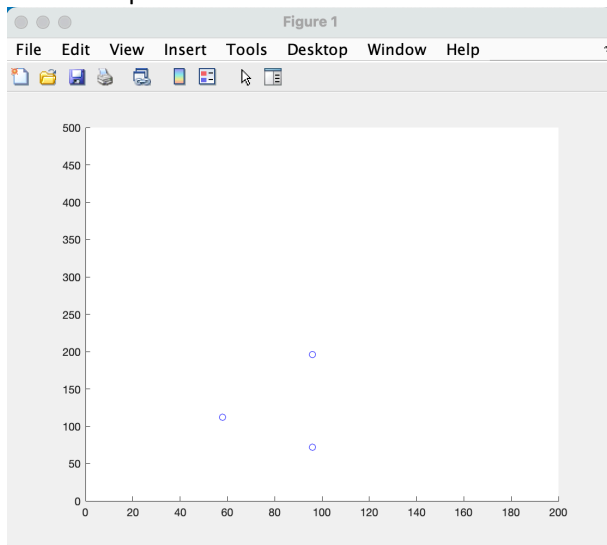
- A graph with 3 random points with x coordinates in the range [30:140] and y coordinates within the range [0:275]

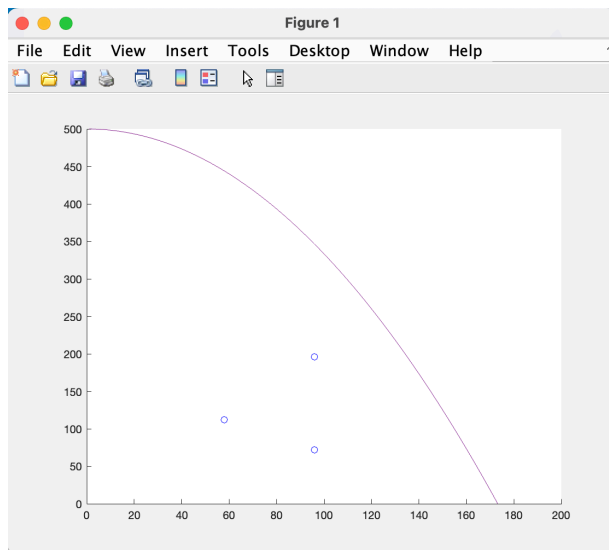


- The following graph with the 3 random targets

- No other prompt in command window

Actual Output





- No other prompt in command window

Test case 2

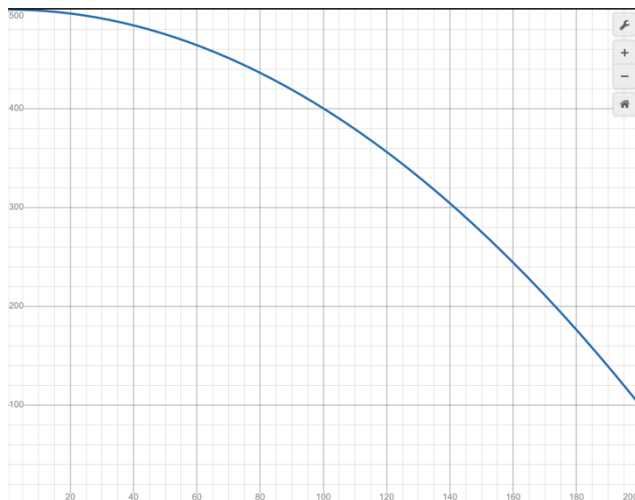
Power input as 100 which is the maximum

Input:

Enter power between 1 and 100: 100

Expected Output:

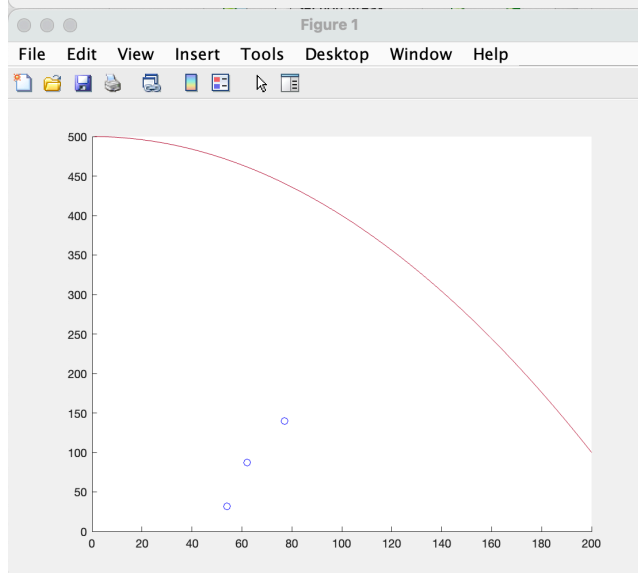
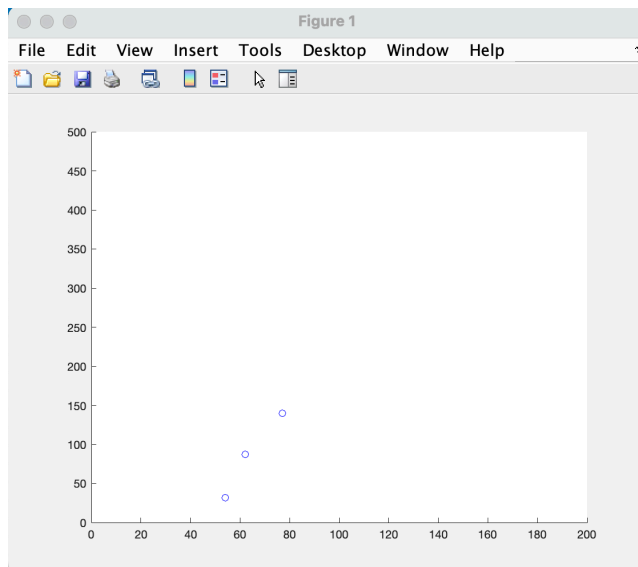
- A graph with 3 random points with x coordinates in the range [30:140] and y coordinates within the range [0:275]



- The following graph with the 3 random targets

- No other prompt in command window

Actual Output:



- No other prompt in command window

Test case 3

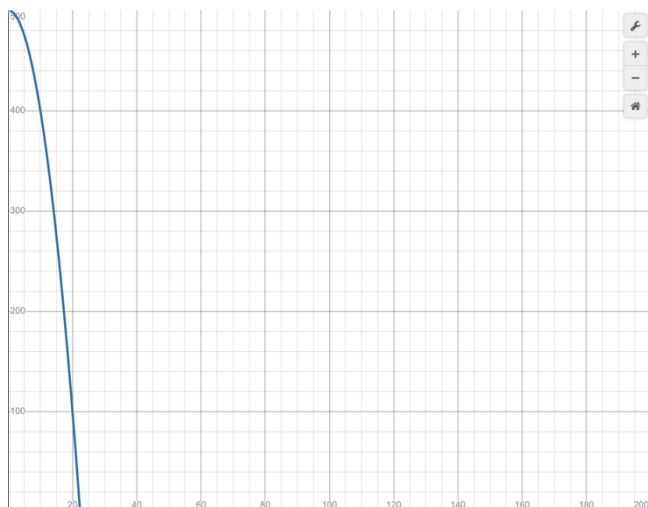
Power input as 1 which is the minimum

Input:

Enter power between 1 and 100: 1

Expected Output:

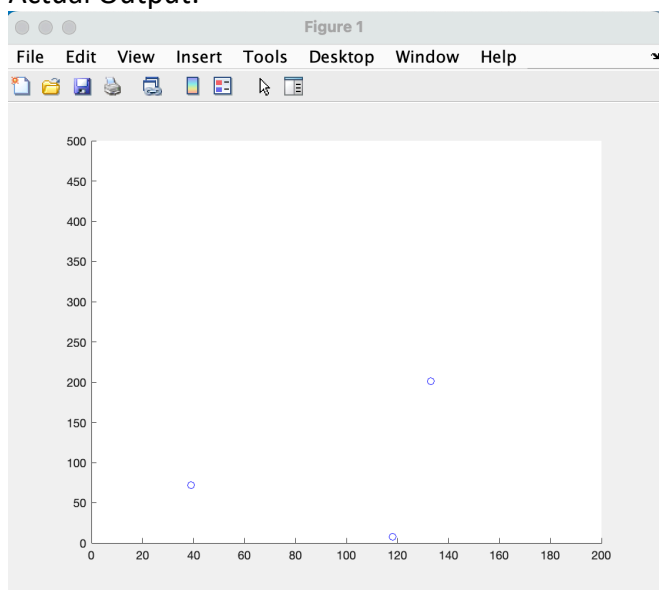
- A graph with 3 random points with x coordinates in the range [30:140] and y coordinates within the range [0:275]

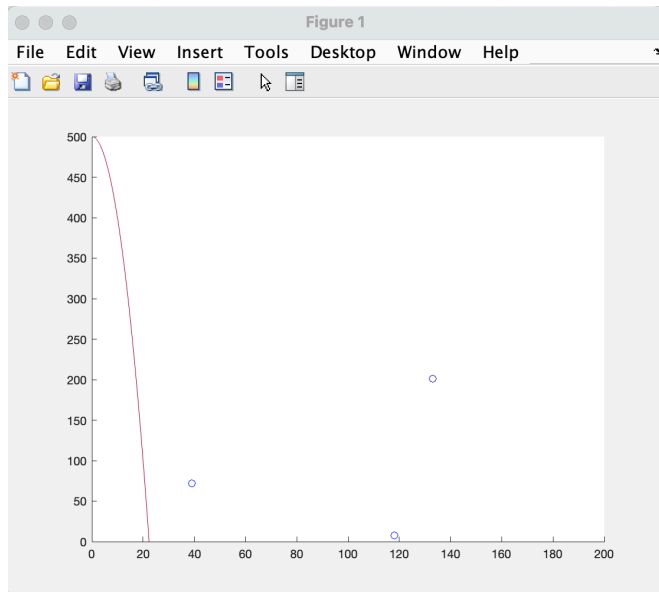


- The following graph with the 3 random targets

- No other prompt in command window

Actual Output:





- No other prompt in command window

Test case 4

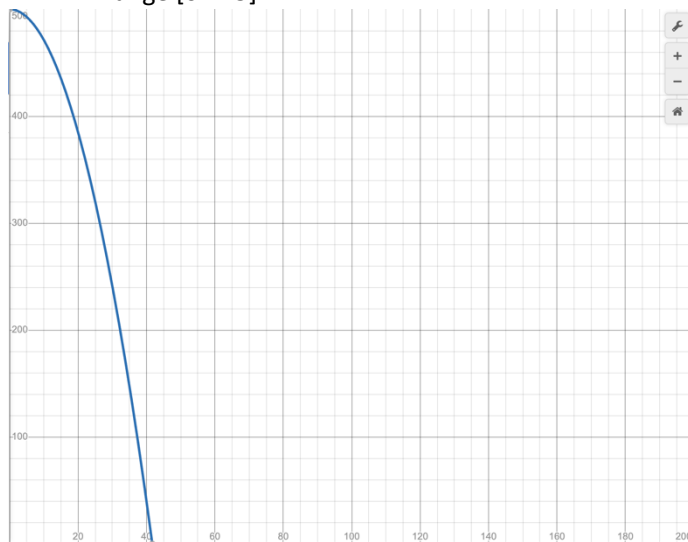
Power input as decimal

Input:

Enter power between 1 and 100: 3.479

Expected Output:

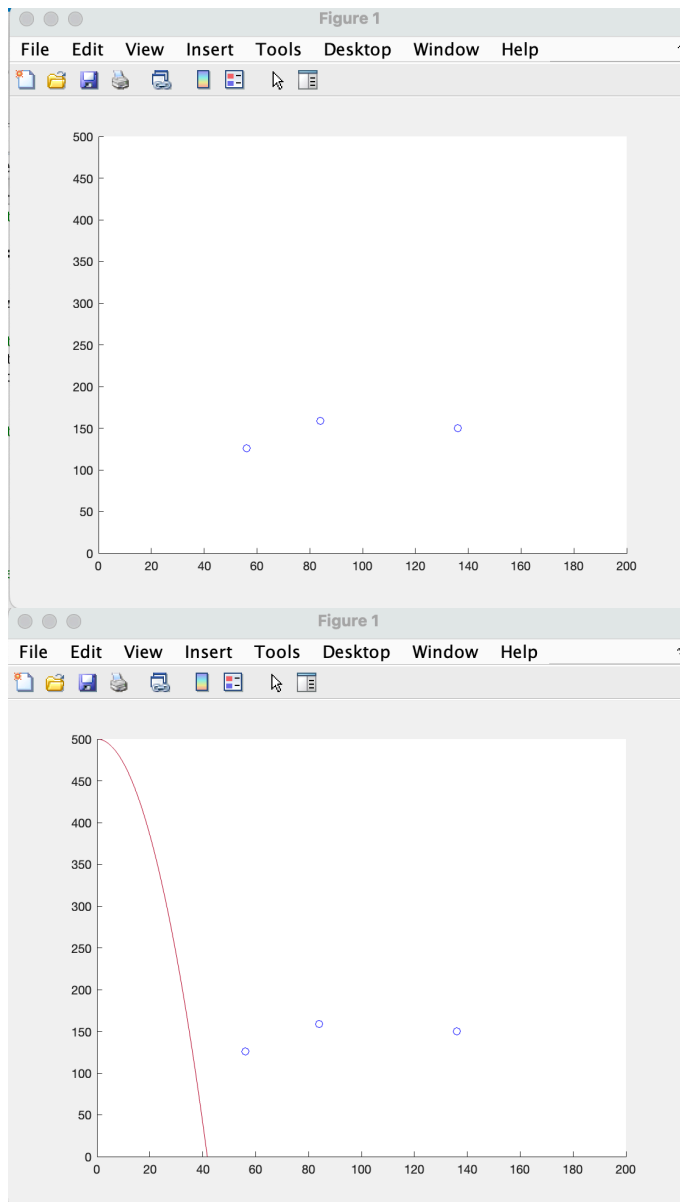
- A graph with 3 random points with x coordinates in the range [30:140] and y coordinates within the range [0:275]



- The following graph with the 3 random targets

- No other prompt in command window

Actual Output:



- No other prompt in command window

Test case 5

Enter power a negative number

Input:

Invalid Input:

Enter power between 1 and 100: -43

Valid Input

Enter power between 1 and 100: -43

Invalid input. Enter a numeric value between 1 and 100 only.

Enter power between 1 and 100: 25

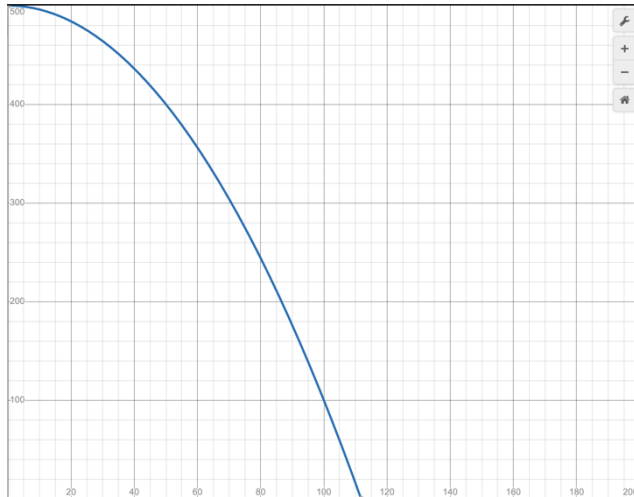
Expected Output:

Invalid Input:

- A graph with 3 random points with x coordinates in the range [30:140] and y coordinates within the range [0:275]
- Invalid input. Enter a numeric value between 1 and 100 only.

Enter power between 1 and 100:

Valid Input:

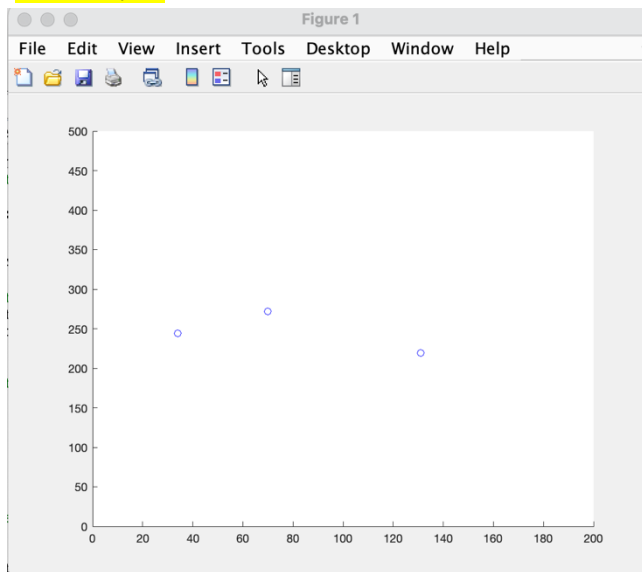


- Once the valid input is entered this graph should appear with the 3 targets

- No other prompt in the command window

Actual Output:

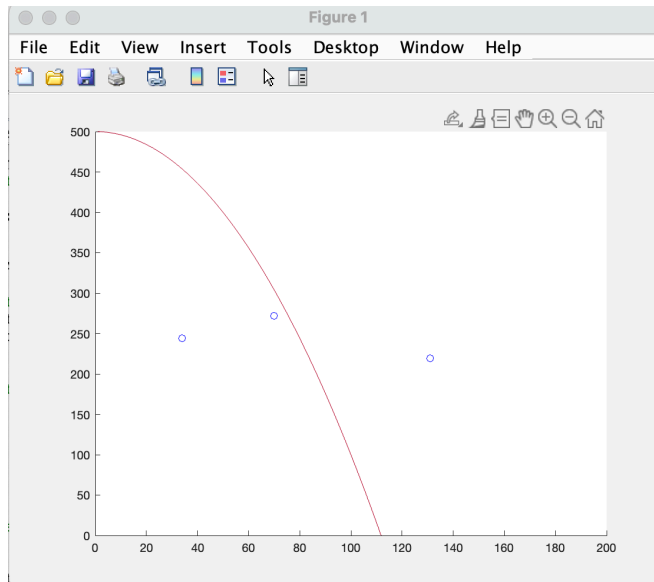
Invalid Input:



- Invalid input. Enter a numeric value between 1 and 100 only.

Enter power between 1 and 100:

Valid Input:



- No other prompt in the command window

Test case 6

Enter power as 0 (check for zero)

Input:

Invalid Input:

Enter power between 1 and 100: 0

Valid Input

Enter power between 1 and 100: 0

Invalid input. Enter a numeric value between 1 and 100 only.

Enter power between 1 and 100: 80

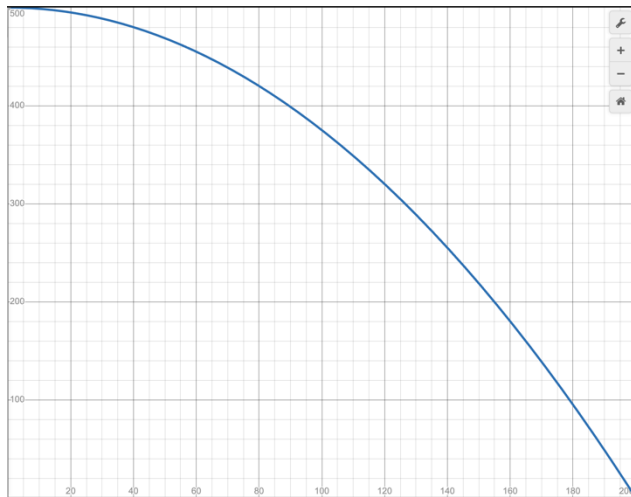
Expected Output:

Invalid Input:

- A graph with 3 random points with x coordinates in the range [30:140] and y coordinates within the range [0:275]
- Invalid input. Enter a numeric value between 1 and 100 only.

Enter power between 1 and 100:

Valid Input:

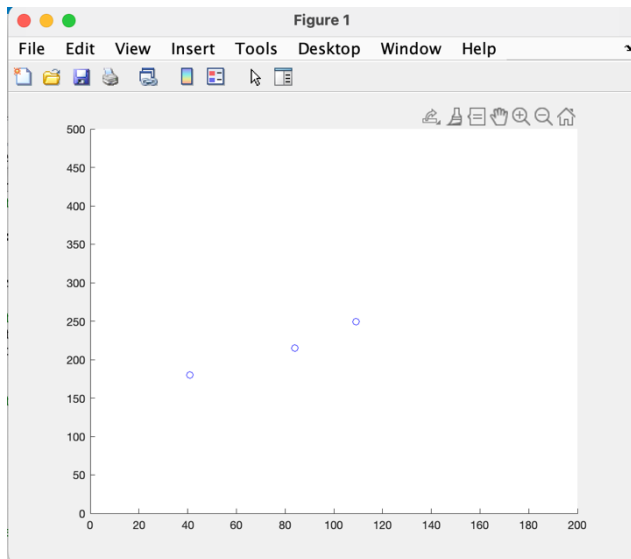


- Once the valid input is entered this graph should appear with the 3 targets

- No other prompt in the command window

Actual Output:

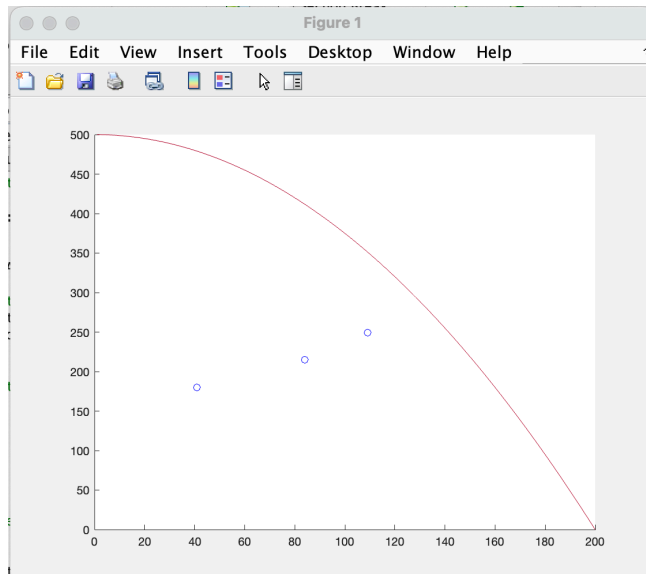
Invalid Input:



- Invalid input. Enter a numeric value between 1 and 100 only.

Enter power between 1 and 100:

Valid Input:



- No other prompt in the command window

Test case 7

Enter power as non-numeric

Input:

Invalid Input:

Enter power between 1 and 100: targets

Valid Input

Enter power between 1 and 100: targets

Invalid input. Enter a numeric value between 1 and 100 only.

Enter power between 1 and 100: 45.7

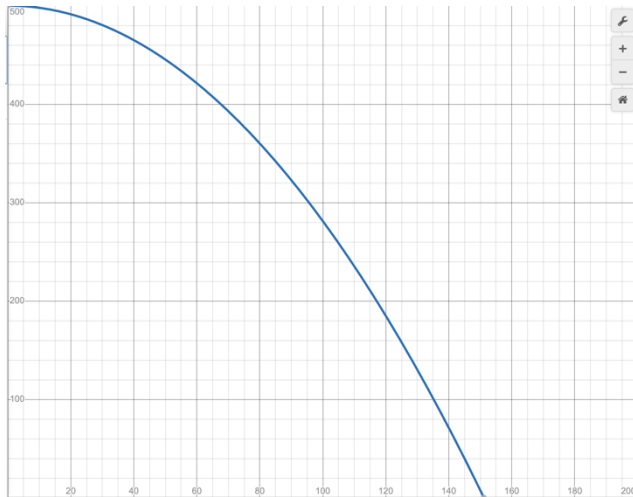
Expected Output:

Invalid Input:

- A graph with 3 random points with x coordinates in the range [30:140] and y coordinates within the range [0:275]
- Invalid input. Enter a numeric value between 1 and 100 only.

Enter power between 1 and 100:

Valid Input:

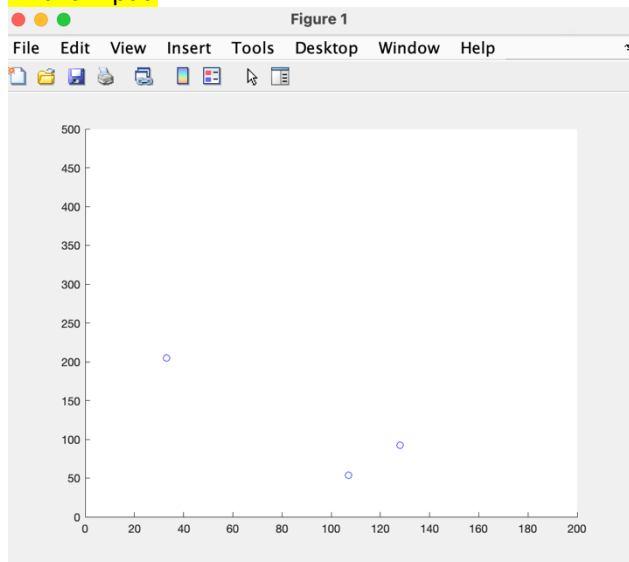


- Once the valid input is entered this graph should appear with the 3 targets

- No other prompt in the command window

Actual Output:

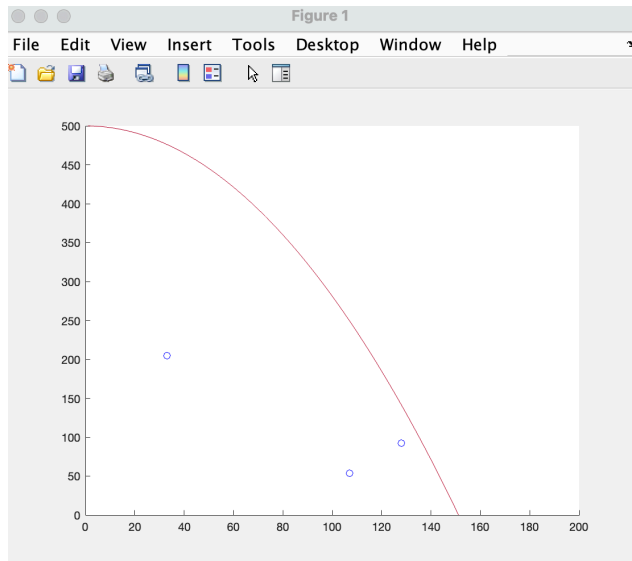
Invalid Input:



- Invalid input. Enter a numeric value between 1 and 100 only.

Enter power between 1 and 100:

Valid Input:



- No other prompt in the command window

Test case 8

Enter power as symbols

Input:

Invalid Input:

Enter power between 1 and 100: ??

Valid Input

Enter power between 1 and 100: ??

Invalid input. Enter a numeric value between 1 and 100 only.

Enter power between 1 and 100: 34

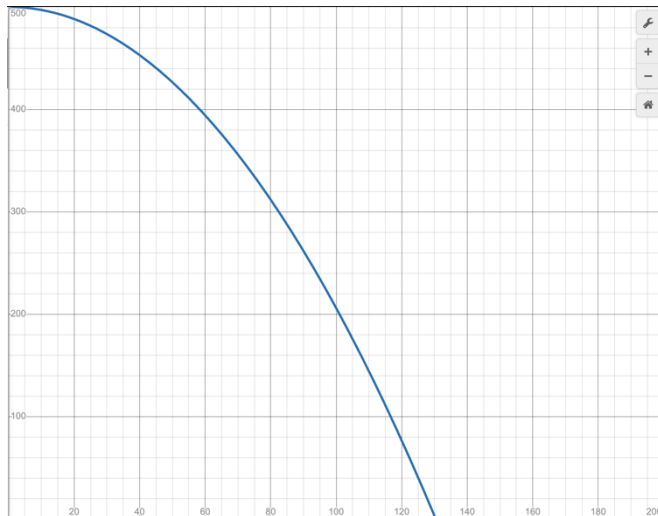
Expected Output:

Invalid Input:

- A graph with 3 random points with x coordinates in the range [30:140] and y coordinates within the range [0:275]
- Invalid input. Enter a numeric value between 1 and 100 only.

Enter power between 1 and 100:

Valid Input:

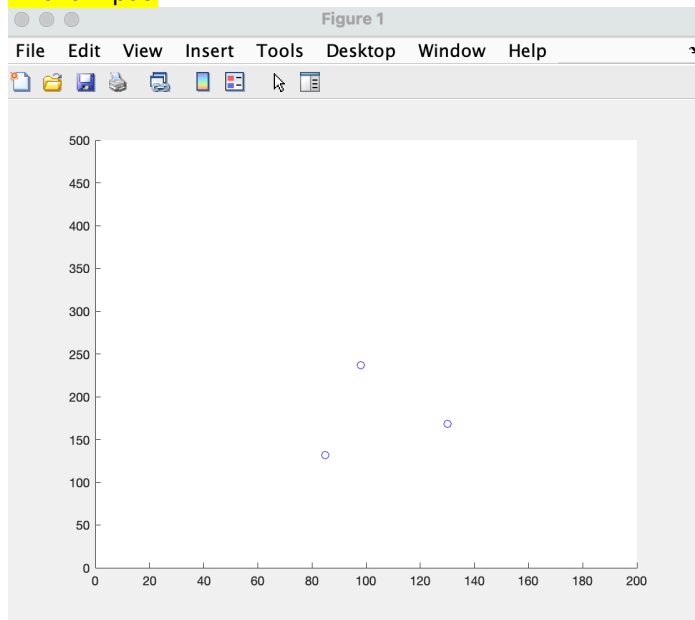


- Once the valid input is entered this graph should appear with the 3 targets

- No other prompt in the command window

Actual Output:

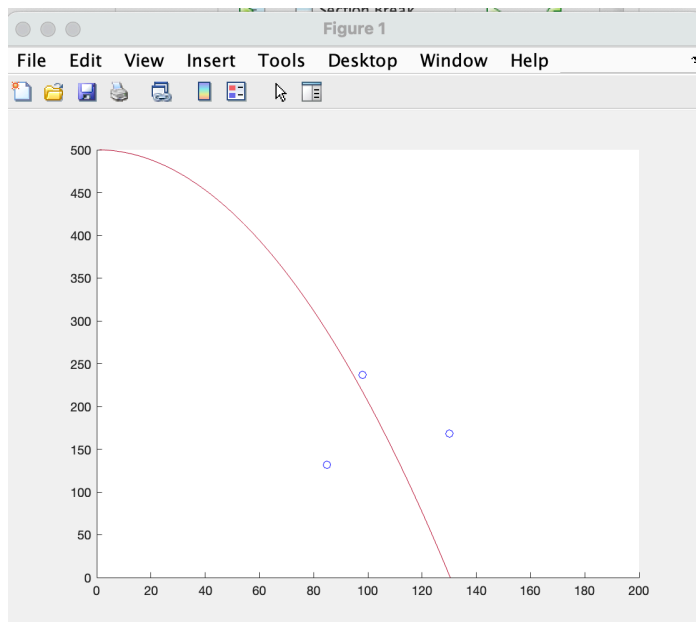
Invalid Input:



- Invalid input. Enter a numeric value between 1 and 100 only.

Enter power between 1 and 100:

Valid Input:



- No other prompt in the command window