



1. Write a function in MATLAB, named addition that would calculate the sum s of two given values or numbers a and b.

Similarly, in case a and b vectors are it possible to sum them with the same program?

finally, in case *a* and *b* matrices are it possible to sum them with the same program?

2. Write a function in MATLAB, named circle that would calculate the area of circle and perimeter

3. Write a function in MATLAB, named cylinder that would calculate the area of cylinder and perimeter.

4. Write a function in MATLAB, named rectanglemoment that would calculate the moment of inertia of rectangle.

5. Write a function in MATLAB, named circlemoment that calculates the moment of inertia of circle

6. Write a function in MATLAB, named trianglemoment that would calculate the moment of inertia of triangle.

7. Write a function in MATLAB, named trigonometric that would calculate the cosine and sine and tangent of any given x. Where $x \in [1 \ 10]$

8. Write a function in MATLAB, named nonlinear that would calculate $f(x) = \frac{2x^3 + 7x^2 + 3x + 1}{x^2 - 3x + 5e^{-x}}$ the $\cos x$, $\sin x$ and $\tan x$ of any given x. Where $x \in [1 \ 10]$