
Table of Contents

First Group Assignment	1
Parameters	1
Side Calculator	1
Angle Calculator	1

First Group Assignment

Gianna Foti EGR 101 Due Date 8/23/2022

```
clear, clc
format compact
```

Parameters

```
SideA = 5; %side of A in cm
SideC = 8; %side of C in cm
AngleC= 90; %angle of C in degrees
```

Side Calculator

```
SideB= sqrt (SideC^2 - SideA^2) % Length of side B [in cm]

SideB =
    6.2450
```

Angle Calculator

```
AngleA = acosd(SideB/SideC) % equation using inverse cosine function to find
    Angle A
AngleB = acosd(SideA/SideC) % equation using inverse cosine function to find
    Angle B

AngleA =
    38.6822
AngleB =
    51.3178
```

Published with MATLAB® R2022a