

CHE331A

Computational Assignment

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Sample Input

```
>> che331
Enter the value of K1 = 1
Enter the value of K2 = 3
Starting point for Ca = 0
Ending point for Ca = 10
The point for derivative = 0.5
The starting x coordinate = 1
The ending x coordinate = 6
```

Sample Output

```
The derivaive at 0.500000 point = 0.075429
Area under the curve = 0.951177
Maxima 0.288672 occurs at 0.580000
Minima 0.000000 occurs at 0.000000
The line between the points is  $y = -0.038991x + 0.288991$ 
Point where the tangent is the same as the given slope ( $-0.038991$ ) is = 2.740000
```

Graph

