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Research and commercial use is prohibited.

```
>> newton(@f2,@df2,-1.5,12,0.0001)
```

```
root =
```

```
-1.589826969932536
```

```
flag =
```

```
1
```

```
iterations =
```

```
9
```

```
ans =
```

```
-1.589826969932536
```

```
>> newton(@f2,@df2,4,12,0.0001)
```

```
root =
```

```
4.180052870336797
```

```
flag =
```

```
1
```

```
iterations =
```

```
2
```

```
ans =
```

```
4.180052870336797
```

```
>>
```