Functions:

-1

0

1.7

2

...

3.1

1

0

2.89

4

...

9.61

**Inputs**

**Outputs**

Examples:

1. If and

1. Find
2. Find the values of for which
3. Find the roots of .
4. Find the roots of .

2. Determine the minimum value of the function , and state the value of for which this minimum occurs.

Test Your Understanding:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Completed square** | **Min/max value of** | **for which this min/max occurs** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

1. Find the minimum value of and state the value of for which this occurs.

2. Find the roots of the function