```
>> ece296c_c11_AidanChin
Input a complex number z as a+bj: 3+4j
Input the power of the root, i.e., n of z^1/n: 5

check =

   1.0e-14 *

  -0.1776 - 0.2665i
  -0.0444 + 0.1332i
  -0.6661 + 0.3553i
  -0.7550 + 0.1776i
  -0.7550 + 0.2665i

>> ece296c_c11_AidanChin
Input a complex number z as a+bj: 2-5j
Input the power of the root, i.e., n of z^1/n: 4

check =

   1.0e-14 *

  -0.0444 - 0.0888i
  -0.0444 - 0.0888i
   0.3775 + 0.1776i
   0.3775 + 0.1776i

>> ece296c_c11_AidanChin
Input a complex number z as a+bj: -1
Input the power of the root, i.e., n of z^1/n: 3

check =

   1.0e-15 *

  -0.2220 - 0.1110i
   0.0000 + 0.0000i
  -0.2220 + 0.1110i

>> ece296c_c11_AidanChin
Input a complex number z as a+bj: -1-.0001
Input the power of the root, i.e., n of z^1/n: 3

check =

   1.0e-15 *

  -0.2220 + 0.0555i
  -0.2220 + 0.0000i
  -0.2220 - 0.0555i
```

```
>> ece296c_c11_AidanChin
Input a complex number z as a+bj: -1-.0001j
Input the power of the root, i.e., n of z^1/n: 3

check =

   1.0e-15 *

  -0.3331 + 0.0445i
  -0.2220 + 0.2110i
  -0.4441 - 0.4091i

>> ece296c_c11_AidanChin
Input a complex number z as a+bj: -j
Input the power of the root, i.e., n of z^1/n: 9

check =

   1.0e-15 *

  -0.0833 - 0.5551i
  -0.2776 - 0.5551i
  -0.0555 + 0.4441i
   0.0555 + 0.4441i
   0.2776 - 0.5551i
   0.0833 - 0.5551i
  -0.3331 - 0.5551i
   0.0000 + 0.0000i
   0.3331 - 0.5551i

>> ece296c_c11_AidanChin
Input a complex number z as a+bj: 5+15j
Input the power of the root, i.e., n of z^1/n: 7

check =

   1.0e-12 *

  -0.0036 + 0.0000i
   0.0044 - 0.0089i
  -0.0053 + 0.0053i
   0.0284 + 0.0000i
   0.0622 - 0.0178i
   0.0817 - 0.0409i
   0.1030 - 0.0355i

>>
```