In [4]:
```
z = 3 + 4j
print (z.real)
print (z.imag)
```

```
3.0
4.0
```

In [ ]:

In [8]:
```
a = 3 + 4j
b = 1 + 2j

print (a + b)
print (a - b)
print (a * b)
print (a / b)
```

```
(4+6j)
(2+2j)
(-5+10j)
(2.2-0.4j)
```

In [ ]:

In [13]:
```
z = 3 + 4j
print (abs(z))
print (z.conjugate())
```

```
5.0
(3-4j)
```

In [ ]:

In [2]:
```
import cmath

z = 1 + 1j

print(cmath.phase(z))

print(cmath.polar(z))

print(cmath.sqrt(z))
```

```
0.7853981633974483
(1.4142135623730951, 0.7853981633974483)
(1.09868411346781+0.45508986056222733j)
```

In [ ]:

In [ ]:

In [ ]:

In [ ]: