

# Complex numbers in Julia

In Julia, it is easy to deal with complex numbers such as  $z = x + iy$  as complex support is built in. You can see information on how to do this at the [Julia Documentation site](#). To define a complex number, you simply type (to get the next line, you might want to [look at](#) or one of the markdown cheatsheet contained withing the file on the [course website](#)

```
z = 1 + 2im
```

## More involved equations

In a markdown cell you include mathematics using *L<sup>A</sup>T<sub>E</sub>X*; simple equations can be added inline using two dollar signs like this:  $\cos \pi = -1$ . More involved equations can be added on their own line using two dollars signs (remember, with the equation on it's own line):

$$\int_0^1 x^2 dx = \frac{1}{3} \tag{1}$$