## complex numbers

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In [ ]:
In [6]: c = 1+2j
In [7]: print(c.real)
        1.0
In [8]: print(c.imag)
        2.0
In [ ]:
In [1]: a = 3+4j
         b = 1+2j
In [2]: print(a+b)
       (4+6j)
In [3]: print(a-b)
        (2+2j)
In [4]: print(a*b)
        (-5+10j)
In [5]: print(a/b)
        (2.2-0.4j)
In [ ]:
In [9]: z = 3+4j
In [16]: print(abs(z)) # magnitude of complex number
        5.0
In [17]: print(z.conjugate()) # conjugate of complex number
        (3-4j)
In [ ]:
In [ ]:
In [18]: import cmath
```

6/24/25, 5:15 PM complex numbers