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`%Homework 4/17: Numeric Data Types`

```
doublea= 5-3i  
singlea=single(5-3i)
```

```
doublea^100  
singlea^100
```

`%The single is less precise, and so it simply displays as -Inf + Inf i,  
%since it cannot store as much data, and has a smaller range`

```
doublea =  
  
    5.0000 - 3.0000i
```

```
singlea =  
  
    single  
  
    5.0000 - 3.0000i
```

```
ans =  
  
-3.0187e+76 + 2.2236e+76i
```

```
ans =  
  
    single  
  
    -Inf +      Inf i
```

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