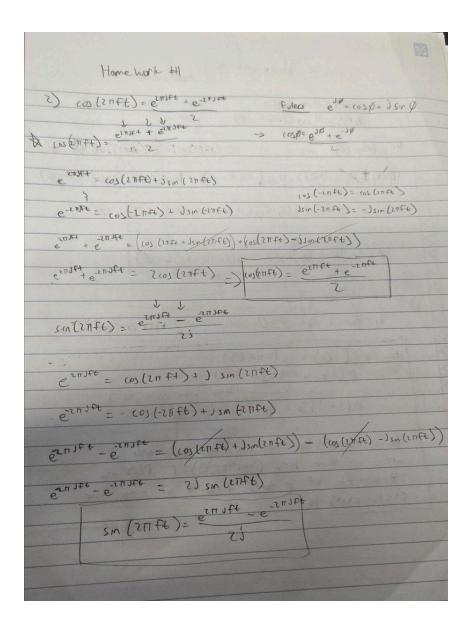
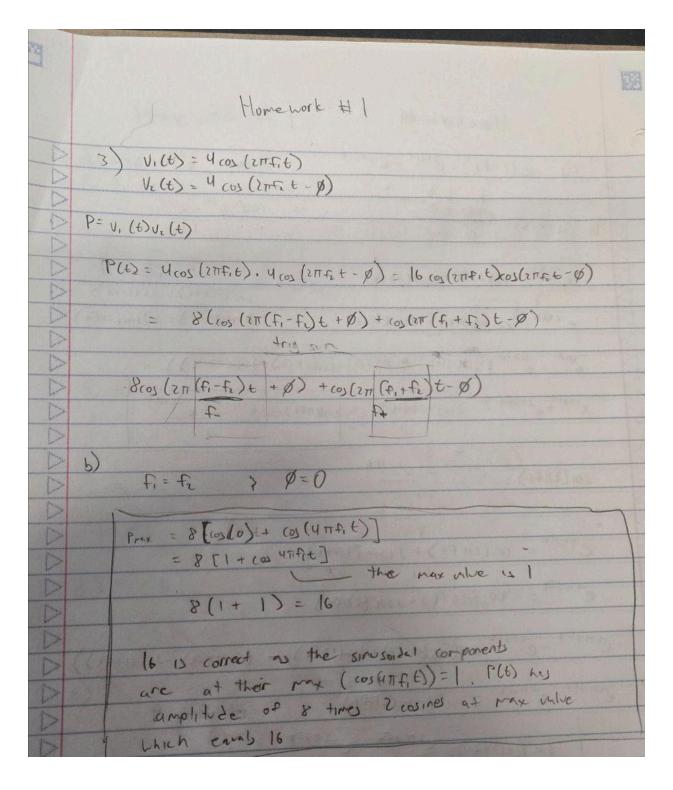
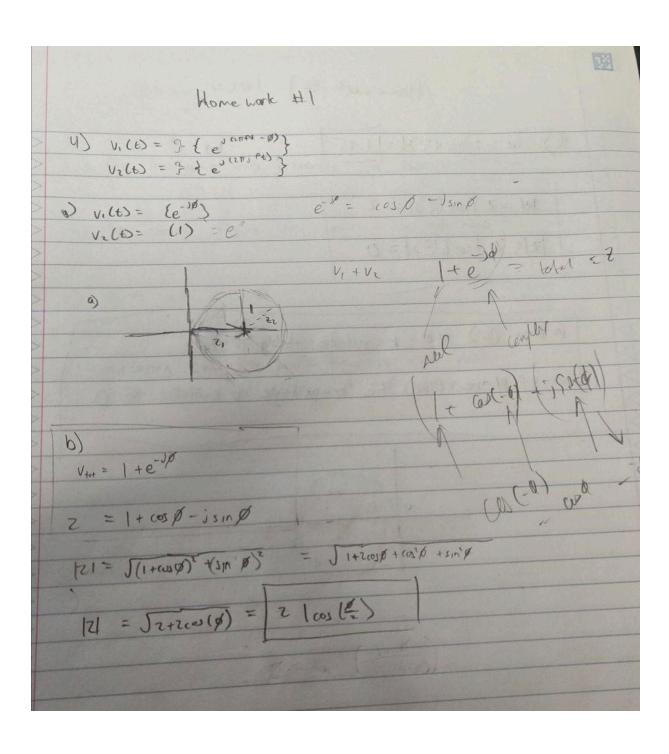
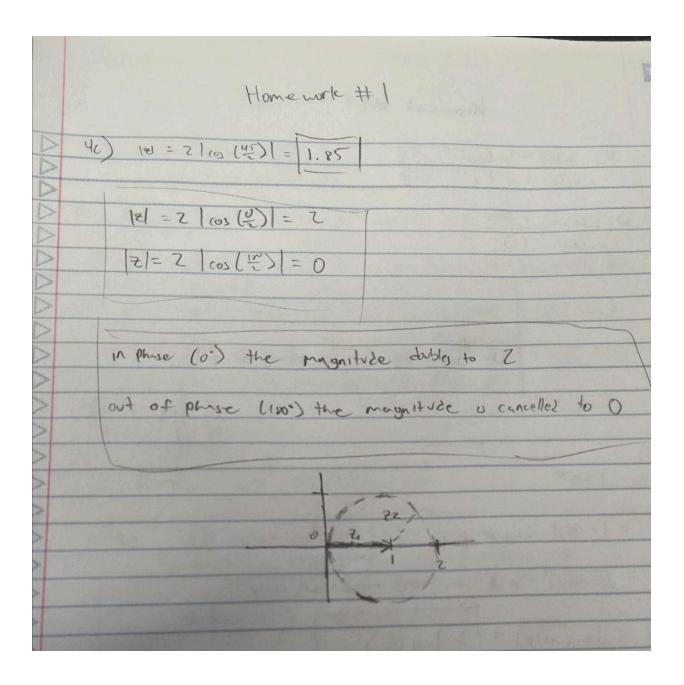
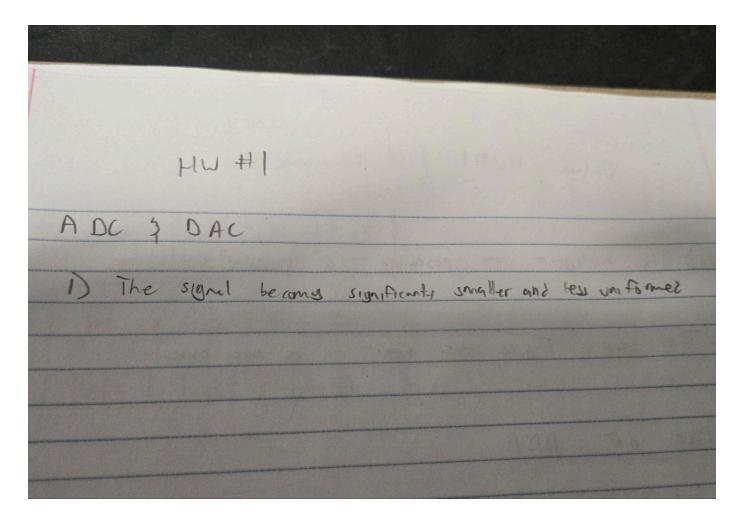
Homework #1	
DD Z1 = 3+4j Z= - 3+4j	£) [2]
In	$= \int 3z + 4z$
	= [
Re	9) (tel
D 3	J-32+42 = 51
3,+4,=	
b) = + = z	1) Ø1 = +an+ (4)
= 83	0 = tun (4)
() Zi - Zi	
= 6	i) polar form 2, = 5e'8
-0	Cl = 3.0
d) 7. · 7.	Ze = 5e-3p
=-9-16=-25	G - se
e) 21/22 denom 22	
e) $\frac{21}{2z}$ denom $\frac{2}{2z}$ $\frac{(3+4i)}{(-3+4i)}$ $\frac{(-3-4i)}{(-3-4i)}$	
7-243	



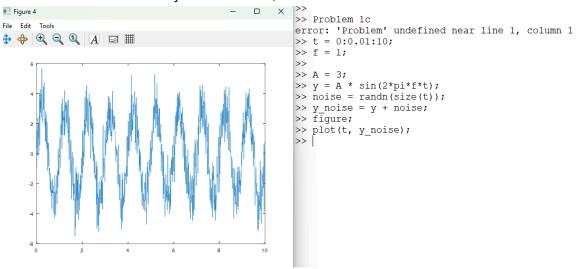








Problem 1c from Probability and Statistics, Noise



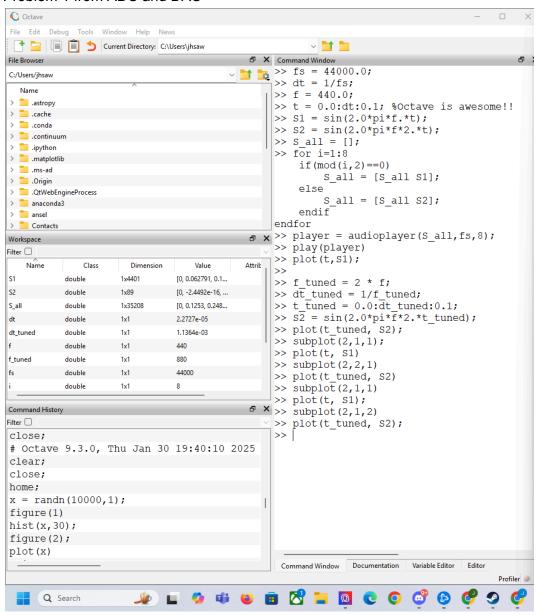
Problem 2 from Probability and Statistics, Noise

```
>> r = 100;
                     >> t = 10000;
                     >> sum random = zeros(1, t);
                     >> for i = 1:t
                     sum_random(i) = sum(rand(1, r));
                     end
                     >> hist(sum random, 50);
                     >> hist(sum random, 50);
                     >>
  Figure 1
                                                                       ×
  File Edit Tools

\mathbf{e} \subset \mathbf{Q} \mid A \mid \square 

         700
         600
000
00
         500
51.
000
         400
         300
         200
         100
          0
                     40
                                                             60
                                                                        65
  (49.787, 699.71)
```

Problem 1 from ADC and DAC



Plots for problem 1: ADC and DAC

