

1.

```
a =  
    3.1416  
b =  
    3.1416  
c =  
    3.1416
```

2.

```
V =  
  
    1.4918e+03  
  
exponential_form =  
  
    1.4918e+03
```

3.

```
n =  
    13  
ans =  
    819
```

4.

```
1    1.0000  
2   -3.5000  
3   -0.1250  
4   -1.1375  
5   -0.9748  
6   -0.9910  
7   -0.9899
```

5.

time	x	y
0.0	0.0000	0.0000
0.5	19.2836	21.7551
1.0	38.5673	41.0577
1.5	57.8509	57.9077
2.0	77.1345	72.3053
2.5	96.4181	84.2504
3.0	115.7018	93.7430
3.5	134.9854	100.7831
4.0	154.2690	105.3707
4.5	173.5527	107.5057
5.0	192.8363	107.1883
5.5	212.1199	104.4184
6.0	231.4035	99.1960
6.5	250.6872	91.5211
7.0	269.9708	81.3937
7.5	289.2544	68.8137
8.0	308.5381	53.7813
8.5	327.8217	36.2964
9.0	347.1053	16.3590