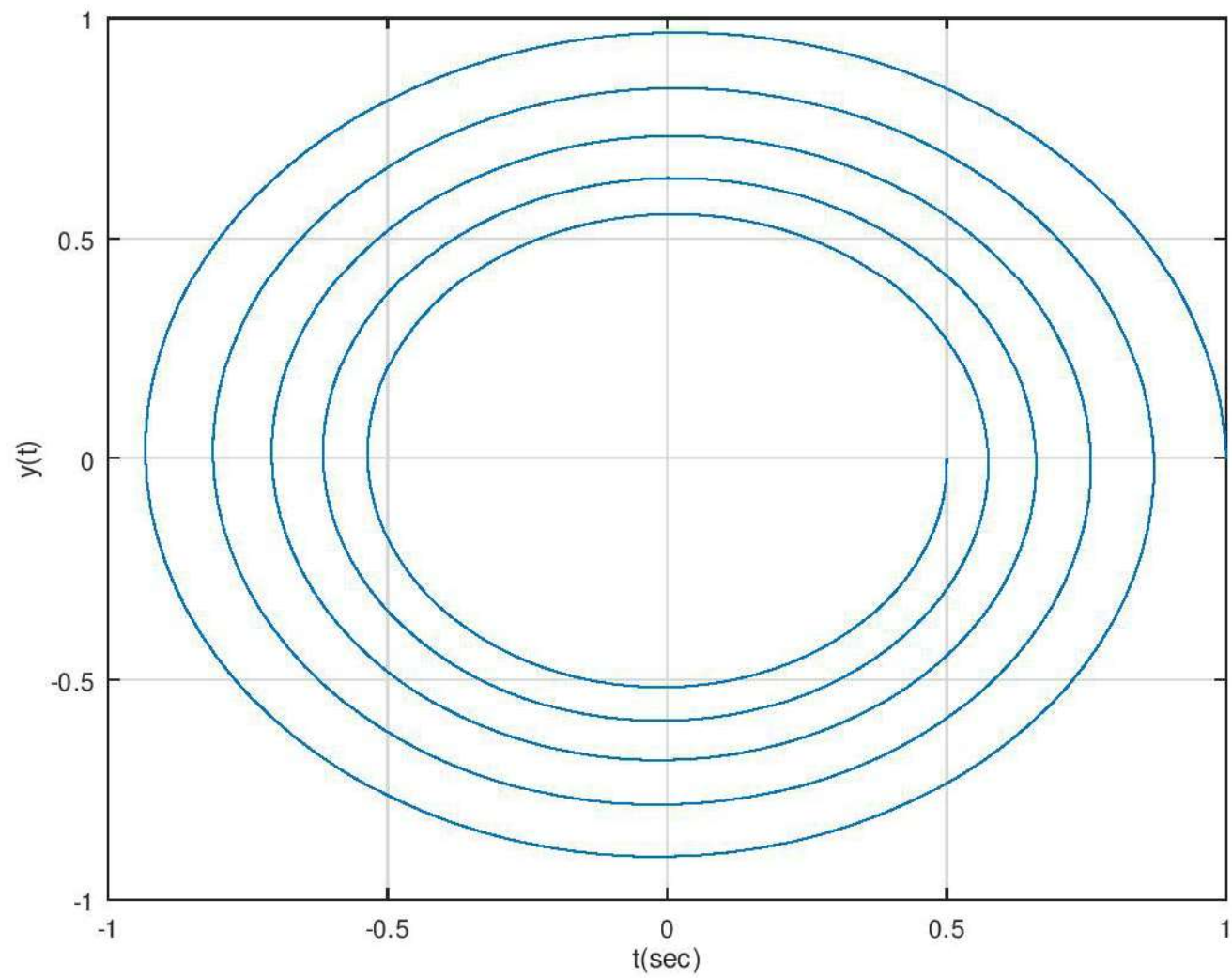


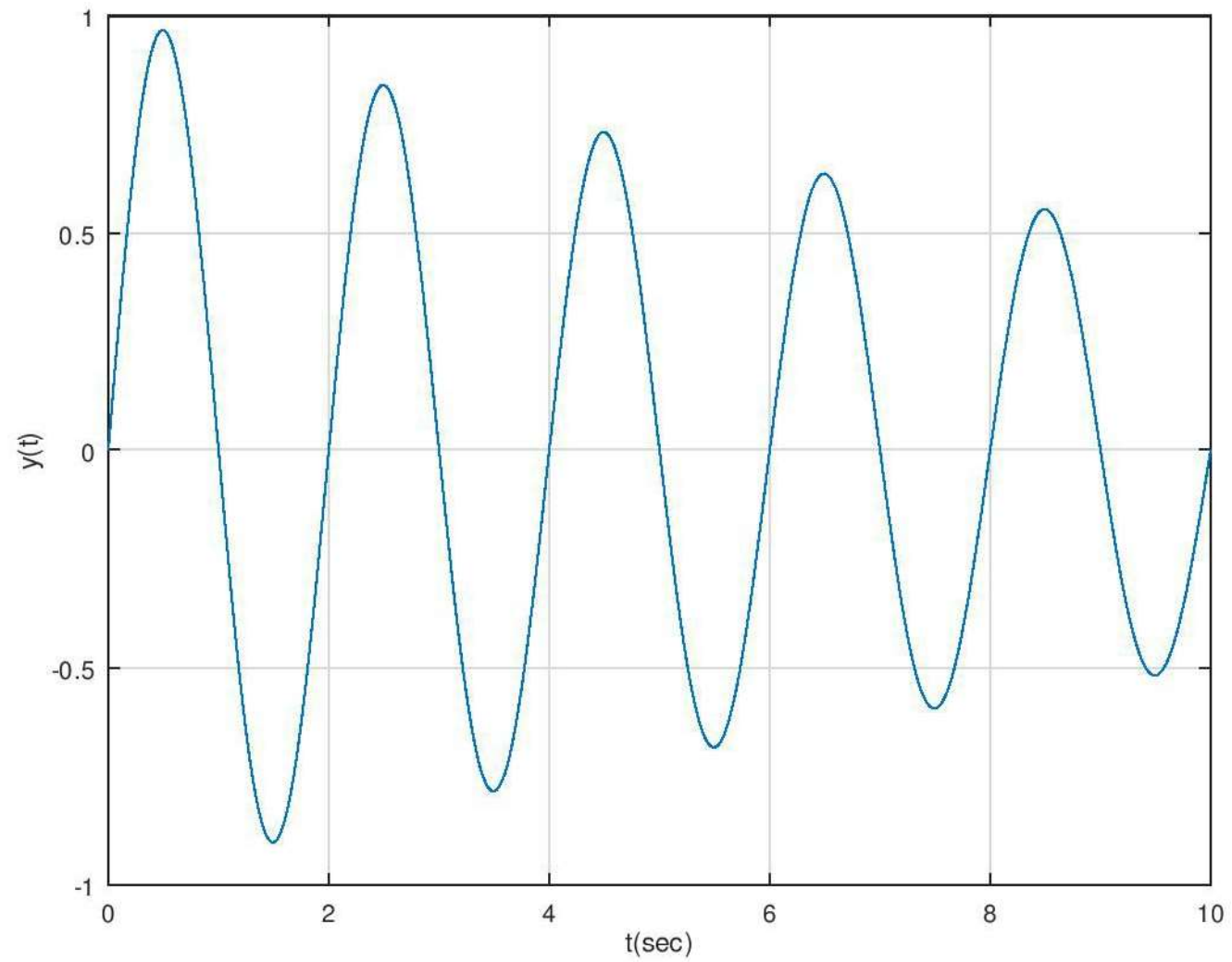
```
>> t=0:0.02:10;  
>> y=exp((-0.0693+pi.*i).*t);  
>> plot(y); xlabel('t(sec)'); ylabel('y(t)'); grid on; title('5a');
```

5a

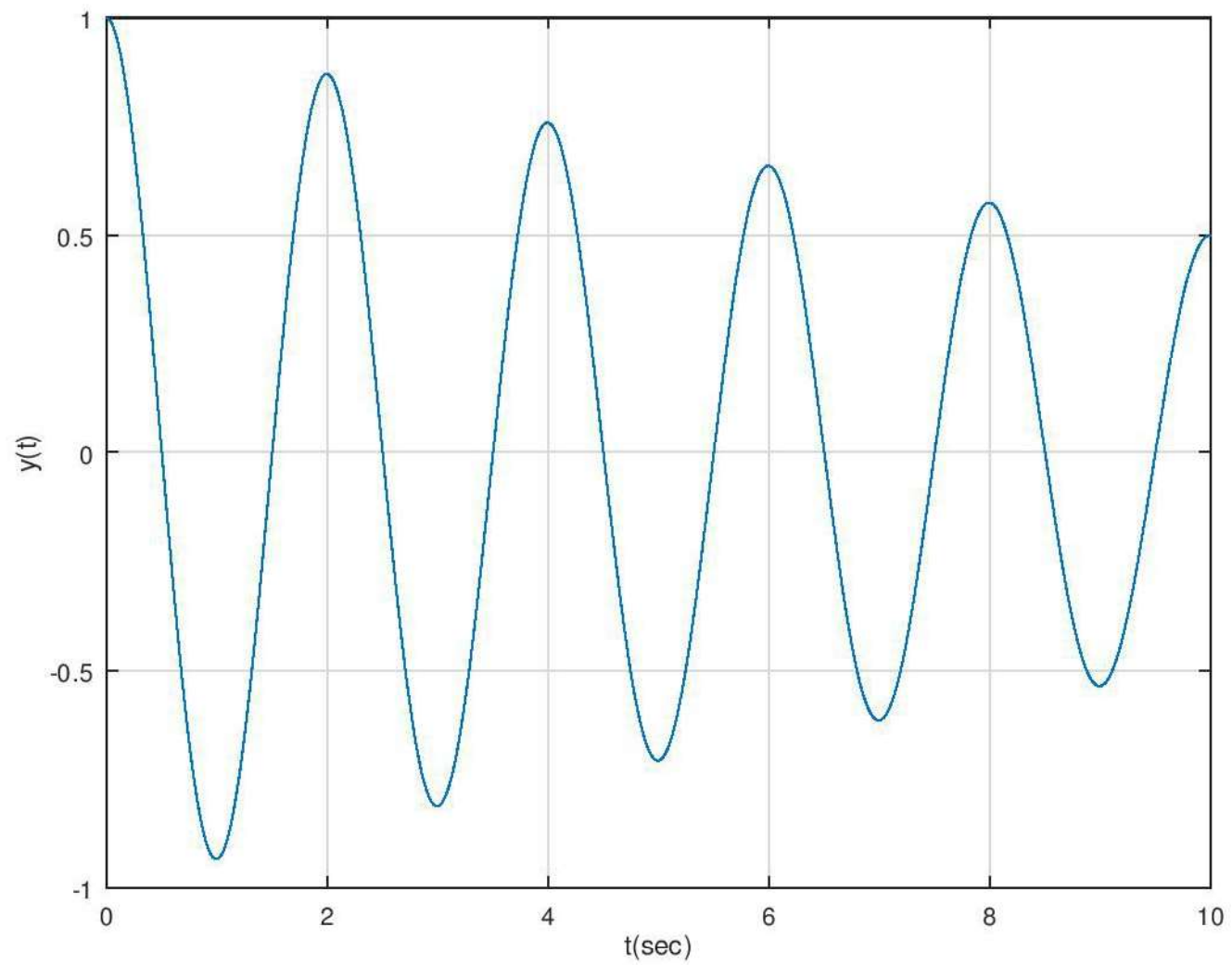


```
plot(t,real(y)); xlabel('t(sec)'); ylabel('y(t)'); grid on; title('5b real');  
plot(t,imag(y));xlabel('t(sec)'); ylabel('y(t)'); grid on; title('5b imag');
```

5b imag



5b real



```
plot(t,abs(y),'r',t,angle(y)./(2.*pi),'b'); xlabel('t(sec)');grid on; title('5c');
```

5c

