# MATLAB Practical I

Start up MATLAB, and try some of the "Playing with MATLAB" commands for yourself.
For further entertainment try these MATLAB commands:

```
x=-10:.1:10; h=plot(x,airy(x));
set(h,'linewidth',6)
set(h,'color','r')
set(h,linestyle','--')
get(h)
plot(1:1000,sin(1:1000),'og')
isprime(1:20)
sum(ans)
find(isprime(1:100))
lorenz
life
why
```

Now fill in the boxes below. Answers will be available at the end of the hour.

1. The first "9" in e$^3$ appears in the [          ] position after the decimal point.

2. The determinant of $\begin{pmatrix} 1 & 2 & 3 & 4 \\ 5 & 6 & 7 & 8 \\ 9 & 8 & 7 & 2 \\ 5 & 4 & 0 & 1 \end{pmatrix}$ is [          ]

3. The approximate value of the integral of $\Gamma(x)$ from 1 to 3 is [          ]

4. The iteration $x := \cos(x)$ converges to [          ]

5. The 200th prime in the sequence 2,3,5,7,11,... is [          ]