MATH G5110: Lab 1b

Task 1:

```
M =

    3.0000         0   11.3000   56.8000
    5.0000    6.0000   14.5000   78.3000
    7.0000   12.0000   36.9000   17.2000
    9.0000   18.0000   25.3000   33.0000


A =

    2.4455   -0.4559   -0.2476   -0.0588
   10.6571   -1.4300   -1.2113   -0.2586
  235.8636  -35.3400  -28.4800   -5.7000
   81.1064  -17.0500   -6.5349   -1.6279
```

Task 2: solve A*x = (1.7,9.3,62,66)^T

Solution is

```
ans =

    5.1290
   14.9149
   51.0090
 -145.9767
```

Note that the negative value for Relative Humidity indicates that the linear model fails to capture the true behavior of this black box.