**1.Run firm.m and explain what the programme does.**

**What is the difference between writing P(y) and P?**

**What happens if you write price p=1.5 (without semicolon)?**

**What happens if you change for y=1:3?**

**What happens if you change for y=0:2? Why?**

**2. Consider the following example m-file from the lectures:**

x=1:2:20

y=x.^ 2

hold on

plot(x)

plot(y)

hold off

**Explain what the programme does.**

**Try x=1:4:20, what kind of vector x is now. Does the figure change?**

**Why is ”.” needed in second line? Try without it, what happens and why?**

**What happens if you comment hold on –command by writing “%” before it? Is the figure now changed?**

**Try plot(x,’m’), how does the figure change?**