

Math X - Functions Lesson 1

```
f[3]
f[x_] := x^2
f[3]
f[-5]
f[673]
g[2]
g[x_] := x - 1
g[2]
f[g[6]]
g[f[6]]
f[f[f[2]]]
abby[x_] := x^3 - x^2
abby[4]
Plot[abby[x], {x, -5, 5}]
f[x_] := x^2 + 5
f[1]
f[x_] := x^2 + 1
f[1]
?f
Table[f[x], {x, -5, 5}]
Table[{x, f[x]}, {x, -5, 5}]
Grid[Table[{x, f[x]}, {x, -5, 5}]]
ListPlot[Table[{x, f[x]}, {x, -5, 5}]]
RandomInteger[{-10, 10}]
f[x_] = RandomInteger[{-10, 10}] x
f[3]
f[2]
f[8]
?f
f[x_] := RandomInteger[{-10, 10}] x
f[3]
f[4]
f[1]
```