R Notebook

```r
library(mosaicCalc)
```

```
## Loading required package: mosaicCore
```

```
## Registered S3 method overwritten by 'mosaic':
##   method                           from
##   fortify.SpatialPolygonsDataFrame ggplot2
```

```
##
## Attaching package: 'mosaicCalc'
```

```
## The following object is masked from 'package:stats':
##
##     D
```

```r
fun <- antiD(x^2~x)
fun
```

```
## function (x, C = 0)
## 1/3 * x^3 + C
```

```r
f1 <- antiD(2*x^4~x)
f1
```

```
## function (x, C = 0)
## 2/5 * x^5 + C
```

```r
f2 <- antiD(x^2~x)
f2(x=3)-f2(x=0)
```

```
## [1] 9
```

```r
f3 <- antiD(sin(x^2)~x)
f3(x=10)-f3(x=0)
```

```
## [1] 0.5836709
```