First R Markdown

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# These are the constants that will be used in the rest of the code.  
w <- 10   
x <- 20   
y <- c(3,5,7,8,9,13)  
z <- y[2:4]  
  
# These are for the output.  
w

## [1] 10

x

## [1] 20

y

## [1] 3 5 7 8 9 13

z

## [1] 5 7 8

# Equations that use the constants  
5\*w +x^2

## [1] 450

w\*y

## [1] 30 50 70 80 90 130

z+x

## [1] 25 27 28

z+y

## [1] 8 12 15 13 16 21

# Further applications of the constants  
sum(y)

## [1] 45

mean(y)

## [1] 7.5

sum(z^2)

## [1] 138

sqrt(y)

## [1] 1.732051 2.236068 2.645751 2.828427 3.000000 3.605551