Homework1

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## Exercise 1

#log(6.2, exp(1)) Default value of log is exp(1), or e for short.   
log(6.2)

## [1] 1.824549

#Just use the log10 function instead   
log10(6.2)

## [1] 0.7923917

## Exercise 2

sqrt2 <- sqrt(2)  
sqrt2

## [1] 1.414214

## Exercise 3

#Code to install the Sleuth3 package.  
#install.packages("Sleuth3")  
  
#First, load the package.  
library(Sleuth3)  
  
#Print the dataset case0101  
data("case0101")  
head(case0101)

## Score Treatment  
## 1 5.0 Extrinsic  
## 2 5.4 Extrinsic  
## 3 6.1 Extrinsic  
## 4 10.9 Extrinsic  
## 5 11.8 Extrinsic  
## 6 12.0 Extrinsic