```
x <- 1
x.mac <- c(seq(from = -4, to = 4, by = 0.1))
student.maclaurin.approx <- function(x) {</pre>
  answer = 8 + x - (x^2) + ((x^3)/3) - ((x^5)/30)
  print(answer)
student.maclaurin.exact <- function(x) {</pre>
  answer = 8 + (\exp(1) \wedge (-x)) * (\sin(x))
  print(answer)
student.maclaurin.approx(x)
student.maclaurin.exact(x)
points(x.mac, student.maclaurin.approx(x.mac), col="red")
points(x.mac, student.maclaurin.exact(x.mac), col="green")
```

Lab 9

Part B