

**EX.0.5.2, Sauer**

Find  $c$  satisfying the Mean Value Theorem for  $f(x)$  on the interval  $[0, 1]$ .

(a)  $f(x) = e^x$ .

(b)  $f(x) = x^2$ .

(c)  $f(x) = 1/(x + 1)$ .