

Section 10.2 Solutions

#27] $f(x) = e^x + x^e$ recall, e is a constant

$$f'(x) = e^x + ex^{e-1}$$

#29] $f(x) = x x^e = x' x^e$

$$= x^{e+1}$$

$$f'(x) = (e+1) x^{e+1-1} = (e+1) x^e$$