

$$f(x) = u(v(x)) \text{ gives } f'(x) = u'(v(x)) \times v'(x)$$

example:

$$f(x) = (x^3 - 5x)^4$$

gives  $f'(x) = 4(x^3 - 5x)^3 \times (3x^2 - 5)$