

## 1 | (Linear) Talor Series Approximations

Linear approximations are represented by  $L$ . So, say if we are at a point 4; we could say that, using the linear approximation at  $x=4$ , get  $f(4.1)$ .

That could also be represented as  $L(4.1)$ : "linear approximation of"

Difference between true function value

gm76m3.gif