Generalizing
the mvt - Taylor's theorem

Session 34

$$P(x) = f(a) + \cdots + \frac{f^{(n)}(a)}{n!}(x-a)^n$$

$$\Rightarrow f(b) - P(b) = \frac{f^{(n+1)}(\xi)}{(n+1)!}(b-a)^{n+1}$$

$$\Rightarrow f(\tfrac{3}{4}) - P(\tfrac{3}{4}) = 8$$