Math 371

Quiz 11,   May 1, 2014   Name: _____

Derive an approximation formula for $f'(x)$ which has form

$$f'(x) \approx \frac{1}{2h} \left(4f(x+h) - 3f(x) - f(x+2h)\right)$$

with error term $\frac{1}{3}h^2 f'''(\xi)$.