

3

$$f(x) = 3x^2$$

Obtain $\lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h}$

Circle your answer.

[1 mark]

$$\frac{3h^2}{h}$$

$$x^3$$

$$\frac{3(x+h)^2 - 3x^2}{h}$$

$$6x$$