Title

Haoyun Qin

 $\mathrm{May}\ 2,\ 2022$

$$= \lim_{h \to 0} \frac{m(x+h) + \cancel{b} - mx\cancel{b}}{h}$$

$$= \lim_{h \to 0} \frac{mx + mh - mx}{h}$$

$$= \lim_{h \to 0} \frac{\cancel{mx} + mh \cancel{mx}}{h}$$

$$= \lim_{h \to 0} \frac{mh}{h}$$

$$= \lim_{h \to 0} \frac{m\cancel{h}}{\cancel{h}}$$

= m