

Ex 8) Find the $\lim _{h \rightarrow 0} \frac{f(x+h)-f(x)}{h}$
A) $f(x)=5-6 x$

$=\lim _{h \rightarrow 0} 8 \frac{-6 x-6 h-5+6 x}{h}$

$$
=\lim _{h \rightarrow 0} \frac{-6 h}{h}=\lim _{h \rightarrow 0}-6=-6
$$

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