

Exercise 1 Let $f(x) = 9x + 0.06$ and $a = -1$. Observe the table of values for $\frac{f(a+h) - f(a)}{h}$:

h	$\frac{f(a+h) - f(a)}{h}$
-0.1	9
-0.01	9
0.01	9
0.1	9

The limit as $h \rightarrow 0$ seems to be exactly 9.