DERIVATIVES

BLAKE FARMAN

Lafayette College

Name:		

In each of the following problems, use the limit definition

$$f'(x) = \lim_{h \to 0} \frac{f(x+h) - f(x)}{h}$$

to compute the derivative of the given function.

1.
$$f(x) = \frac{x+3}{x+5}$$

2.
$$f(x) = \sqrt{9-x}$$