

Derivatives WS 1

Find the derivative at the indicated value of x .

1) $f(x) = \frac{3}{x+1}$, at $x=1$

2) $g(x) = (x-2)^{5/3}$, at $x=2$

3) $f(x) = x^3 + x^2 - 4$, at $x=2$

4) $f(x) = \sin x$, at $x=0$

5) $h(t) = \cos t$, $t=0$

6) $g(x) = e^x$, $x=0$