

## QUIZ 1

Name \_\_\_\_\_

1. Given the values of the derivative  $f'(x)$  in the table and that  $f(0) = 100$ , estimate  $f(x)$  for  $x = 4$

x	0	2	4	6
f'(x)	10	18	23	25

2. Find the family of antiderivatives for each of the following equations.

(a)  $f(t) = t^3 - t + t^{-1}$

(b)  $f(x) = 5x - \sqrt{x} + e^x$