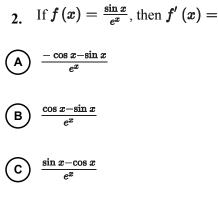
AP^{*} OcollegeBoard A

Quiz 2.9

Name

- 1. Let f be a differentiable function such that f(9) = 18 and f'(9) = 7. If g is the function defined by $g(x) = \frac{f(x)}{\sqrt{x}}$, what is the value of g'(9)?
- (A) 2
- $\bigcirc B \quad \frac{7}{3}$
- $\bigcirc \frac{8}{3}$
- **D** 42





3.	x	f(x)	$f'\left(x ight)$	$g\left(x ight)$	$g'\left(x ight)$
	0	4	$\frac{1}{2}$	-2	$\frac{3}{2}$

The table above gives values of the differentiable functions f and g and their derivatives at x = 0. If $h(x) = \frac{6f(x)}{g(x)-1}$, then h'(0) =



Quiz 2.9

