Name

Quiz 2.5

- 1. $\lim_{h\to 0} \frac{(2+h)^3 + 2(2+h) (2)^3 2(2)}{h}$ is
- \bigcirc A) 6
- **B**) 12
- **(c)** 14
- (D) nonexistent
- $g\left(x
 ight) =\left\{ egin{array}{ll} 2-2x & ext{for }x<1\ 5x-5 & ext{for }x\geq 1 \end{array}
 ight.$

If g is the function defined above, then g'(1) is

- \bigcirc -2
- **B** 0
- (c) 5
- (D) nonexistent
- 3. What is the value of $\lim_{h \to 0} \frac{(16+h)^{\frac{1}{4}} 2}{h}$?



AP Calculus AB Test Booklet

Quiz 2.5





 $\binom{1}{8}$

(D)