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Name: \_\_\_\_\_

QUIZ 6  $\diamond$

MATH 200  
February 3, 2026

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Find the derivatives of the given functions.

1.  $f(x) = 3x^5 - 7x^2 + 4x + 1$

2.  $g(x) = \frac{2}{x^3} + x$

3.  $y = \frac{1}{5x}$

4.  $g(x) = \sqrt{x} + \sqrt{2}$

5.  $h(x) = \frac{x}{2 + \pi}$

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Name: \_\_\_\_\_

QUIZ 6 ♣

MATH 200  
February 3, 2026

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Find the derivatives of the given functions.

1.  $f(x) = 4x^4 - 2x^3 - x + 1$

2.  $y = \frac{1}{3x^3}$

3.  $f(x) = 10\sqrt{x} + 5x$

4.  $g(x) = \frac{1}{\sqrt[3]{x^2}}$

5.  $h(x) = \frac{x + \pi^2}{2}$