

Name: _____

Grade: _____

Group Members Present:

_____, _____, & _____

Write the derivative formula for each function.

1. $g(x) = \sqrt[6]{x}$

2. $h(x) = \frac{12}{\sqrt[4]{x^3}}$

3. $f(x) = 2\sqrt{x^5}$

4. $h(x) = \frac{2}{3\sqrt{x}}$

5. $h(x) = \frac{2}{\sqrt[3]{x}}$

6. $f(x) = \frac{4}{x^5}$

7. $h(x) = \frac{4x^5 + 3x}{2x} + \frac{e^3}{2}$

8. $f(x) = 4x \cdot 3x^{-5} + 26\pi$

9. $b(w) = w^2(w^3 - 2w + 7)$

10. $k(x) = xe^2(x^2 - 2x)$

11. $f(x) = \frac{4x + 8x^2}{2x} + 2\pi x$

12. $g(x) = \frac{x^3 - 2x + 7e^3}{x^2}$