

## Attendance Quiz 6

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

1. Differentiate the function.

(a)  $f(x) = 1 - 2x - 3x^2$

(b)  $f(x) = \frac{1}{\sqrt[3]{x^4}} + \frac{1}{\sqrt{x}} + \frac{1}{x} + \frac{1}{x^3}$

(c)  $f(x) = \frac{x^2 - 2\sqrt{x}}{x}$

(d)  $f(x) = 3 \sin x - 4 \cos x$