

Name: _____

Math 1441 Quiz 8

1. (15 pts) Find the antiderivative for each function when $C = 0$.

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

(b) $g(x) = \frac{2}{x^2} - \frac{3}{x^3}$

(c) $h(x) = \sqrt{x} + \frac{1}{2\sqrt{x}}$

2. (5 pts) Find the function $s = s(t)$ which satisfies

$$s''(t) = -9.8, \quad s'(0) = 11186, \quad s(0) = 0.$$