

Math 16A (Summer 2007)
Kouba
Quiz 6

PRINT Name : -----

Exam ID # : -----

1.) (5 pts. each) Differentiate each function. Do NOT simplify answers.

a.) $y = (3x - 5) \cdot \sqrt{x}$

b.) $y = \frac{x}{7} + \frac{7}{x}$

c.) $f(x) = \frac{x^2 - 3x + 1}{x^2 + 2x - 1}$

2.) (15 pts.) For the given function determine the derivative $f'(x)$. Then solve $f'(x) = 0$ for x and set up a sign chart for f' .

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