

Name: _____

Section: _____

Math 120A Quiz 7 December 5, 2002

Show all work for full credit (do not merely read a solution from a graph on your calculator, for instance).

1. (5 points)

Solve the following equation for x :

$$2^{3x-5} = 5^{x+3}.$$

2. (5 points) Suppose the cost of a case of baklava in 1960 was \$12.50, while in 1980 it was \$17.00. Suppose the cost is growing exponentially. How long does it take the cost to double?