

Name: _____

Section: _____

MATH 120A
QUIZ 1
January 9, 2003

You may use a calculator to complete this quiz. No notes please. Show all work.

1. (6 points) Robert works 30 hours per week and earns a monthly salary of \$2370. (Assume there are 4 weeks in a month.) Conrad earns \$4.20 every 14 minutes and works 35 hours a week.

(a) Who earns more *per hour*?

(b) Who earns more *per week*?

2. (4 points) A spherical rock has density 2.68 g/cm^3 . Its mass is 128.64 g. Compute its radius. (The formula for the volume of a sphere is $V = \frac{4}{3}\pi r^3$.)