

Name: _____

Section: _____

MATH 120A

QUIZ 1

April 3, 2003

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

1. (5 points) Terry and Chris are racing. Terry runs 12 kilometers with an average speed of 14.88 kilometers per hour. Chris runs the same distance but is 4 minutes slower than Terry. What is Chris' average speed in kilometers per hour?

2. (5 points) Solve for x :

$$\sqrt{x^2 - a^2} = x + 4a.$$