

Math 70 Quiz #7
November 12, 2008

Name: _____

Show all work. No calculators are permitted on this quiz.

1. (3 pts.) Solve the following equation: $\frac{3}{4}x = \frac{1}{2}x + 5$

2. Use equations to solve the following word problems. Put a box around your final answer.

(a) (3 pts.) Twelve more than double a number is 38. What is the number?

(b) (4 pts.) You participate in a sports event that involves time spent biking and time spent running. You run for 2 hours at a speed of 5 miles per hour. You bike at a speed of 14 miles per hour.

If you cover a total of 17 miles from biking and running combined, how long did you spend biking?