QUIZ 7 - MATH 131 Thursday, November 3

YOUR NAME:_____ George Voutsadakis

Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. Two ships left a port at the same time. One ship traveled at a speed of 18 mph at a heading of 318°. The other ship traveled at a speed of 22 mph at a heading of 198°. Find the distance between the two ships after 10 hours of travel. (Recall that the heading is always measured clockwise from the north direction.)

2. Find the exact area and the measures of the angles of a parallelogram whose sides measure 8 feet and 12 feet and whose shortest diagonal measures 10 feet.