

**Math 225: Calculus III**  
**Quiz 1 Sept. 1/3, 1992**

Name: \_\_\_\_\_

Section: \_\_\_\_\_

1. Find the length of the long diagonal of the parallelogram with sides given by the vectors  $(1, 2, 3)$  and  $(3, 5, 7)$  located at the origin.

*quiz1.eps*

2. If the angle between two unit vectors and  $i s \pi / 6$ , what is their dot product, ?