

Name \_\_\_\_\_

MATH 221: BASIC CONCEPTS OF ELEMENTARY MATHEMATICS I

Quiz #8

Points: Each problem is worth 4 points.

1. A person wants to mentally compute the sum

$$37 + 17 + 18 + 13 + 24 + 82 + 83.$$

The person notices that compatible numbers can be used to perform the mental computation by pairing the numbers in a convenient way. One of the numbers, however, appearing in the sum above is not part of a compatible pair. Which number is it?

- (a) 37                      (b) 24                      (c) 82                      (d) 83

2. What is the value of  $25 \cdot 128 \cdot 5 \cdot 4 \cdot 20$ ?

- (a) 128,000              (b) 256,000              (c) 1,280,000              (d) 2,560,000