

Name _____

MATH 221: BASIC CONCEPTS OF ELEMENTARY MATHEMATICS I

Quiz #6

Points: Each problem is worth 4 points.

1. How many of the following illustrate the Associative Property of Addition?

(i) $(1 + 2) + 3 = 1 + (2 + 3)$

(ii) $(1 + 2) + 3 = 3 + (1 + 2)$

(iii) $(1 + 2) + 3 = (2 + 1) + 3$

(iv) $1 + (2 + 3) = 1 + (3 + 2)$

(a) 1

(b) 2

(c) 3

(d) 4

2. Which of the following is the same as $(x + y)(x + y + z)$?

(a) $x^2 + xy + 2xz + y^2 + yz$

(b) $x^2 + 2xy + xz + y^2 + yz$

(c) $x^2 + xy + xz + y^2 + yz$

(d) $x^2 + xy + 2xz + yz + z^2$

Each multiple choice question in this class will be graded as follows. Your answer should be clearly indicated by a circle around your choice for the answer. Circle the whole answer including the letter. You will get 0 points if a wrong answer is circled (even if a correct answer is also circled), you will get 1 point if no answer is circled, and you will get 4 points for a correct answer. Do not put other marks on or around the choices. If other marks are on or around the choices (for example, if a rectangle is placed around an answer), then you will likely get 0 points for your answer depending solely on what the instructor thinks the marks indicate.