

Name _____

MATH 221: BASIC CONCEPTS OF ELEMENTARY MATHEMATICS I

Quiz #3

Points: Each problem is worth 4 points.

1. Which of the following is *not* true?

(a) $\{1\} \in \{1, 2, 3\}$

(b) $\{1, 2\} \subset \{1, 2, 3\}$

(c) $\{1, 2\} \subseteq \{1, 2, 3\}$

(d) $\{1, 2, 3\} \subseteq \{1, 2, 3\}$

2. Which of the following is *not* true?

(a) $\emptyset \not\subset \emptyset$

(b) $0 \notin \emptyset$

(c) $\{\} \not\subseteq \{\}$

(d) $\{0\} \notin \emptyset$

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.