

Mathematics 300

Quiz 28

Name: _____

You must show your work to get full credit.

Let the universal set be $U = \mathbb{Z}$, the integers and

$$A = \{1, 2, 3\}, \quad B = \{-2, -1, 0, 1\}, \quad C = \{-3, -1, 1, 3\}.$$

Give the following sets in roster notation:

$$A \cup B = \underline{\hspace{2cm}}$$

$$A \cap B = \underline{\hspace{2cm}}$$

$$B - C = \underline{\hspace{2cm}}$$

$$(B \cup C) - A = \underline{\hspace{2cm}}$$

$$A^c \cap (B \cup C) = \underline{\hspace{2cm}}$$