

# Math 2013 - Introduction to Discrete Mathematics

Quiz #3 - 2005.09.07

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

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Define  $U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9\}$  to be the universal set on which the following sets are based.

$$A = \{0, 2, 4, 6, 8\}, \quad B = \{1, 3, 5, 7, 9\}, \quad C = \{0, 1, 2, 3, 4\}, \quad D = \{5, 6, 7, 8\}$$

1. Compute  $A \cap D$

2. Compute  $B - C$

3. Compute  $D \oplus B$

4. Compute  $C'$

5. Compute  $C \cup D$