

Math 1303 - Math in the Liberal Arts

Quiz #6 - 2005.09.23

Solutions

Let $U = \{0, 1, 2, 3\}$. Answer the following questions.

1. What is $n(U)$?

$$n(U) = 4$$

2. How many possible subsets of U are there?

There are $2^4 = 16$ possible subsets.

3. Is $\{0, 1\} \subset U$?

Yes.

4. Is $\{1, 0, 3, 2\} \subset U$?

No.

5. Is $\{1, 0, 3, 2\} \subseteq U$?

Yes.