

Math 270 - Basic Discrete Mathematics
Practice Quiz on Section 6.1

Directions: Answer the problems given below.

1. Let $A = \{1, 2, 3, 4, 5\}$ and $B = \{2, 4, 6, 8\}$. Express each of the following sets in set-roster notation:

a. $A \cup B =$

b. $A \cap B =$

c. $B - A =$

2. Express the power set $\mathcal{P}(\{a, b, c\})$ in set-roster notation.

3. Is $\{1, 3, 6, 9\}$, $\{2, 4, 5\}$, $\{7, 10\}$ a partition of the set $\{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$? Why or why not?