

Question 1. [5 points] Write the formal description of each of the following sets:

- The set containing all integers that are greater than 5:
- The set containing nothing at all:
- The set containing only the string *aba*:
- The set of all even natural numbers:
- The set of all odd natural numbers:

Question 2. [5 points] Let A be the set $\{x,y,z\}$ and B be the set $\{u,v\}$. Answer the following questions:

- What is $A \times B$?
- What is the power set of A ?
- What is $A \cup B$?
- Is B a subset of A ?