

1. Describe each of the following sets in roster form.

$$A = \{x : (x \geq 0) \text{ and } (x^2 \leq 10), x \in \mathbb{Z}\}$$

$$B = \{x : x \text{ is an even number, } 2 \leq x \leq 10\}$$

2. In the survey of 100 outpatients who reported at a hospital one day, it was found that 70 complained of fever, 50 had stomach ache and 30 were injured. All the 100 patients had one or the other of these complaints and 44 had exactly 2 of them. How many patients had all the three complaints?