1. Use set-builder notation to specify the set of all real numbers between 9 and 10.

2. Use English to describe the set \( \{ x \in \mathbb{Z} \mid -3 \leq x \leq 3 \} \).

3. Use the roster method to describe the set \( \{ x \in \mathbb{Z} \mid -3 \leq x \leq 3 \} \).

4. Each of the following sentences is either a statement, or a predicate with variables from the set \( \mathbb{R} \) of all real numbers.
   - If the sentence is a statement, determine whether it is true or false.
   - If the sentence is a predicate, determine its truth set.

4a. \( \forall x \in \mathbb{R}, \ 1 \cdot x = 0 + x \).

4b. \( \forall x \in \mathbb{R}, \ x^2 \geq x \).

4c. \( x^2 \geq x \).