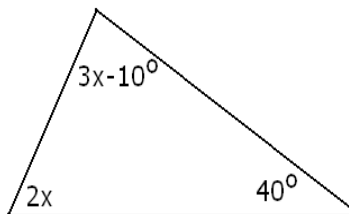


- Let A be the set of females in our class today, and B be the set of students in our class today who have a calculator with them.
 - Describe the set $A \cap B$.
 - Describe the set $A \cup B$.
- Let $A = \{1, 2, 3, 4, 5\}$, $B = \{2, 4, 6, 8, 10\}$, and $C = \{2, 3, 5, 7\}$
 - Find $A \cap B$.
 - Find $A \cap C$.
 - Find $(A \cup C) \cap B$.
 - Find $(A \cap C) \cup B$.
- How many subsets does $B \cup C$ have? (You don't have to list them.)
- How many different 6-digit numbers can be formed using the digits 1, 2, 3, 4, 5, and 6, without repetition? (You don't have to list all these numbers.)
- List all three-element subsets of $A = \{1, 2, 3, 4, 5\}$.
- The supplement of an angle is 20° less than the angle. Find the angle.
- Find x based on the picture below.



- The complement of an angle is 10° more than the angle. Find the angle.
- Find the sum of inner angles in a polygon of 11 sides.
- Find the measure of an inner angle in a regular polygon of 12 sides.
- Decide whether the following statement is true or false. Explain your answer.
If A and B are two sets such that A has 2 elements and B has 4 elements, then the set $A \cup B$ has 6 elements.