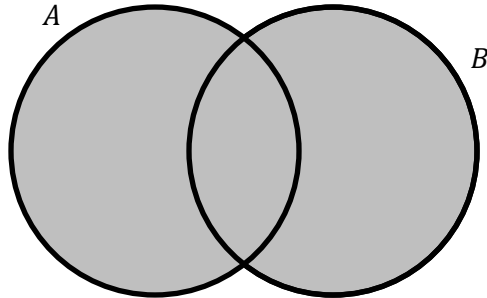
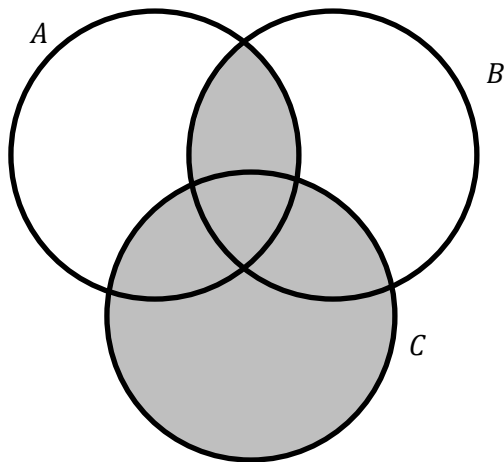


1) Shade the region of the Venn Diagram below that illustrates  $A \cup B$ .



2) Shade the region of the Venn Diagram below that illustrates  $(A \cap B) \cup C$ .



2) Is  $\{3x|x \in \mathbb{Z}\} \subseteq \mathbb{Z}$  ? Why or why not?

Yes, because  $\{3x|x \in \mathbb{Z}\}$  contains the integers that are multiples of 3, all of which are integers. ( $\mathbb{Z}$  is the set of integers).