Shade the following Venn Diagrams:

\[ A \cap B \quad \quad \quad A \cup B \]

\[ A \backslash B \quad \quad \quad B \backslash A \]

Complete the following Venn Diagrams below:

1) \( U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\} \)

\( A = \{1, 2, 3, 4, 5\} \quad \quad B = \{2, 4, 6, 8\} \)

Fill the elements of \( A \) and \( B \) into the following Venn diagram:
2) \( U = \{1,2,3,4,5,6,7,8,9,10\} \)
\( A = \{1,3,5,7,10\} \quad B = \{1,2,4,5,7\} \)

Fill the elements of \( A \) and \( B \) into the following Venn diagram:

![Venn diagram](image)

3) \( U = \{2,4,6,8,10,12,14,16,18,20\} \)
\( A = \{2,6,8,12,14,16\} \quad B = \{4,6,12,18,20\} \)

Fill the elements of \( A \) and \( B \) into the following Venn diagram:

![Venn diagram](image)

4) \( U = \{1,3,5,7,9,11,13,15,17,19\} \)
\( A = \{1,3,5,7,13\} \quad B = \{1,3,9,11,15\} \)

Fill the elements of \( A \) and \( B \) into the following Venn diagram:

![Venn diagram](image)