

Rubric:

Max Points: 3

Correctness of $A \cup B$, $A \cap B$, and $A \times B$:

- 3 points: All sets are correctly identified and written.
- 2 points: Two out of three sets are correctly identified and written.
- 1 point: Only one set is correctly identified and written.
- 0 points: No correct sets identified or written.