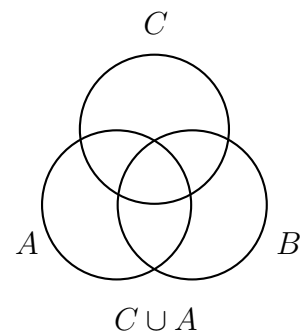
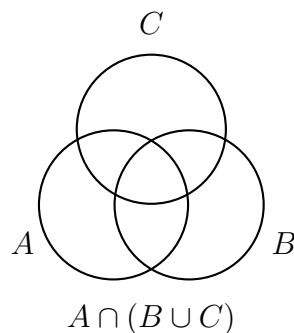
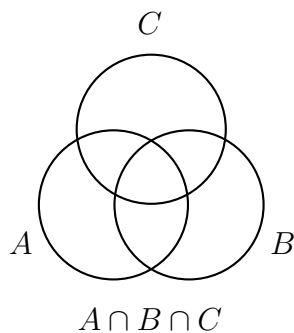
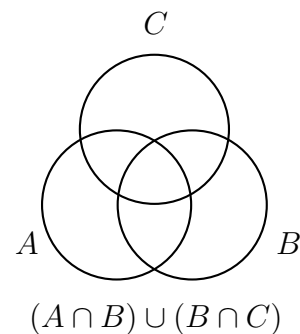
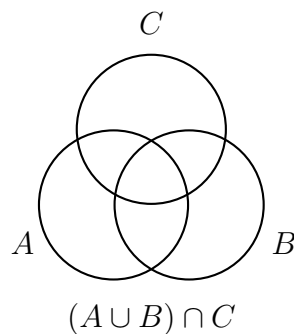
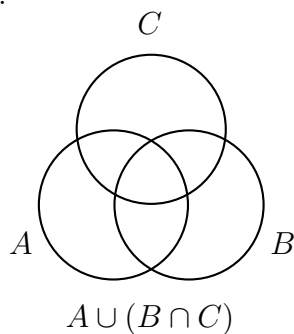


Prénom NOM : _____

Exercice 1

Colorier *sans justifier* l'ensemble indiqué en dessous de chacun des diagrammes de Venn ci-après.



Exercice 2

Cocher la bonne réponse. *Aucune justification n'est attendue.*

- | | VRAI | FAUX |
|---|--------------------------|--------------------------|
| 1. On a l'assertion : $5 \in \{2a + 4b \mid (a, b) \in \mathbb{Z}^2\}$. | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. On a l'assertion : $1 \in \{n \in \mathbb{N} \mid \exists k \in \mathbb{N}, n = 2k\}$. | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. On a l'assertion : $]0, +\infty[\subseteq \{x \in \mathbb{R} \mid x^2 + x - 2 \geq 0\}$. | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. On a l'assertion : $\emptyset \subseteq \{1, 2, 3\}$. | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. On a l'assertion : $6 \in \{n^2 \mid n \in \mathbb{N}\}$. | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. On a l'assertion : $\{1\} \in \{0, 1, \{1\}\}$. | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. On a l'assertion : $\{1\} \subseteq \{0, 1, \{1\}\}$. | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. On a l'assertion : $1 \in \{0, 1, \{1\}\}$. | <input type="checkbox"/> | <input type="checkbox"/> |