

## Exercises

E8.5 [OGM] Given the sets  $A, B \subseteq \mathbb{R}$ , determine the relations between the following pairs of sets

$$\overline{A \cup B}$$

and

$$\overline{A} \cup \overline{B},$$

$$\overline{A \cap B}$$

and

$$\overline{A} \cap \overline{B},$$

$$(A \cup B)^\circ$$

and

$$A^\circ \cup B^\circ,$$

$$(A \cap B)^\circ$$

and

$$A^\circ \cap B^\circ.$$

[ [OGN] ]

**Solution 1.** [OGP]