

Ejemplos de union

$$A = \{1, 2, 3\}$$

$$B = \{3, 4, 5\}$$

$$C = \{5, 6, 7\}$$

$$A \cup B \cup C = \{1, 2, 3, 4, 5, 6, 7\}$$

$$A = \{1, 2, 3, 4\}$$

$$B = \{3, 4, 5, 6\}$$

$$C = \{5, 6, 7, 8\}$$

$$A \cup B \cup C = \{1, 2, 3, 4, 5, 6, 7, 8\}$$

Ejemplos de interseccion

$$P = \{1, 2, 3, \underline{4}\}$$

$$Q = \{3, \underline{4}, 5, 6\}$$

$$R = \{\underline{4}, 5, 6, 7\}$$

$$P \cap Q \cap R = \{4\}$$

$$X = \{2, 4, \underline{6}, 8\}$$

$$Y = \{3, \underline{6}, 9, 12\}$$

$$Z = \{\underline{6}, 12, 18, 24\}$$

$$X \cap Y \cap Z = \{6\}$$

Ejemplos de resta

$$A = \{1, 2, \underline{3}\}$$

$$B = \{\underline{3}, 4, 5\}$$

$$C = \{5, 6, 7\}$$

$$A - B - C = \{1, 2\}$$

$$X = \{1, 2, \underline{3}, \underline{4}\}$$

$$Y = \{\underline{3}, 4, 5, 6\}$$

$$Z = \{4, 5, 6, 7\}$$

$$X - Y - Z = \{1, 2\}$$

Ejemplos de complemento

$$U = \{\bar{1}, 2, \bar{3}, 4, \bar{5}, 6, \bar{7}\}$$

$$A = \{2, 4, 6\}$$

$$A' = \{1, 3, 5, 7\}$$

$$U = \{-3, \bar{2}, \bar{1}, 0, \bar{1}, \bar{2}, 3\}$$

$$D = \{-3, 0, 3\}$$

$$D' = \{-2, -1, 1, 2\}$$