

Clase por Discord- 19 de mayo

$$2) i) \quad D(f) = R = (-\infty, +\infty) \quad R(f) = R = (-\infty, +\infty)$$

$$D(g) = (-\infty, +\infty) \quad R(g) = (-\infty, +\infty)$$

$$D(h) = (-\infty, +\infty) \quad R(h) = (-\infty, 5]$$

$$D(i) = (-\infty, +\infty) \quad R(i) = \{-1\} \cup [0, +\infty)$$

$$D(j) = [-1, +\infty) \quad R(j) = [-2, +\infty)$$

$$D(k) = (-\infty, 3) \cup (3, 6) \quad R(k) = (-\infty, 4)$$

$$D(l) = (-\infty, +\infty) \quad R(l) = (-\infty, +\infty) \\ (-\infty, 0) \cup [0, +\infty)$$

$$D(m) = (-\infty, -2) \cup (-2, 0) \cup (0, +\infty) \quad R(m) = \{-3\} \cup (0, +\infty)$$

K

k

k es cota inf. de $\mathcal{B} \iff k \leq x, \forall x \in \mathcal{B}$
 K u "sup" u " $u \in K \geq x, \forall x \in \mathcal{B}$

$E \quad \bar{e} \quad S$ (supremo) $E(\mathcal{B})$
 $e \quad \underline{e} \quad I$ (ínfimo)

$M \quad m$

$$2) ii) \begin{array}{l} \text{conj } K = \emptyset \quad S = \cancel{x} \quad M = \cancel{x} \\ \text{conj } K = \emptyset \quad I = \cancel{x} \quad m = \cancel{x} \end{array} \left. \vphantom{\begin{array}{l} \text{conj } K = \emptyset \\ \text{conj } K = \emptyset \end{array}} \right\} \begin{array}{l} f \\ g \end{array}$$

$$h: \text{conj } K = [5, +\infty), S = 5, M = 5$$

$$\text{conj } K = \emptyset \quad I = \cancel{x} \quad m = \cancel{x}$$

$$i: \text{conj } K = \emptyset \quad S = \cancel{x} \quad M = \cancel{x}$$

$$\text{conj } K = (-\infty, -1], I = -1 \quad m = -1$$