Evaluación tema 1 (control i)

- (1) Expresar, usondo intervalos, al conjunto $A = \left\{ x \in \mathbb{R} / |s + \frac{4}{2}| \le 2 \right\}$
- (3) Hallor todas las soluciones de 25+32=0 y representarba en el plano complejo.

Funciones

fox) >, fox) * creckentes: Si X2 > X1 for) > fox.) L, mentteraverk recrutes Cobs: las funciones > se serte monstonal son Lownstonauete resent inyectival la cada devente de la imper, le corresponde sólo un elem. L'del domenio 2, KS>K1 => t(X) < t(X) (monot toral)

*Function par:
$$f(-x) = f(x)$$

ei: $f(x) = cos(x)$

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ei: $f(x) = x$

ei: $f(x) = x$

*Function impar: $f(-x) = -f(x)$

ei: $f(x) = x$

Operaciones entre funciones * Suma/resta: (har) = f(x) ± g(x) e: $f(x) = e^x$; $g(x) = 5x <math>\rightarrow h(x) = e^x + 5x$ JDm(h) = Dm(f) n Dm(g) R- 오호: h(x)= ٢٢.x * Producto: (h(x)=f(x).g(x) 26⁵ = 2? Ci. Fux = X3. Ser(x)

$$\begin{array}{l} \times \ \, \operatorname{cociente}: h(x) = \frac{f(x)}{g(x)} \\ & \left(\begin{array}{l} \operatorname{Dm}(h) = \operatorname{Dm}(f) \operatorname{Dm}(g) \\ \end{array} \right) & \left(\begin{array}{l} \operatorname{XER} / g(x) = 0 \\ \end{array} \right) \\ & \operatorname{Ci:} h(x) = \frac{\operatorname{Sen}(x)}{l_n(x)} & \operatorname{Dm}(e_n m) = \Pi \\ & \left(\begin{array}{l} \operatorname{Dm}(e_n m) = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{Dm}(h) = (o, +\infty) \\ \end{array} \right) & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{Dm}(h) = (o, +\infty) \\ \end{array} \right) & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{Dm}(h) = (o, +\infty) \\ \end{array} \right) & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left(\begin{array}{l} \operatorname{I} = (o, +\infty) \\ \end{array} \right) \\ & \left($$

* Composición $\times \frac{1}{\sqrt{f}} \longrightarrow f(x) \longrightarrow g(f(x)) = g_0 f(x)$: Dm(g. f)? Necesitanos 9: ops: 3°t (x) Xt°2(x) X < Dm (+) S: f(x)=ex; g(x)=X fxl < Dm(9) $90f(x) = 9(f(x)) = (e^x) = e^{2x}$ $f(x) = 9(f(x)) = (e^x) = e^x$ Don (not) = (XEIR XE Rom(F))