|   | <b>10.</b> Sea $(a_n)_{n\geq 1}\subseteq \mathbb{R}$ ta de funciones | l que $\sum_{n\geq 1} a$  | $a_n$ converg | ge absolut       | amente                           | . Proba | r que las      | dos serie | S           |
|---|--|---------------------------|---------------|------------------|----------------------------------|---------|----------------|-----------|-------------|
|   | de funciones   | $\sum_{n\geq 1} a_n \cos$ | s(nx)         | $\sum_{n\geq 1}$ | $\int_{1}^{\infty} a_n \sin a_n$ | (nx)    |                |           |             |
|   | convergen absoluta   |                           |               | 70-              |                                  |         |                |           |             |
|   |  |                           |               |                  |                                  |         |                |           |             |
|   | Para Judas esto i  | ising do                  | itus de       | Weiers           | hass-                            | -> tu   |                | que hall  | ar Curol    |
|   | Para pudar esto i<br> f(x)  < Cu t                                   | Lein                      |               |                  |                                  |         |                | 1         | I           |
|   |  |                           |               |                  |                                  |         |                |           |             |
| _ | -> Queuns analy  | or Cowligi                | vae de        | C on a           | er (n x)                         | -> f    | (x)= 3,        | was (n x) | >           |
|   |  |                           |               |                  |                                  |         |                |           |             |
|   | ->  f(x) =  Ahora, x E  abrelita 4.                                  | On county)                | <  au         | alontu           | ama C                            | u       |                |           |             |
|   | Ahora, x E   | Cn Couvey                 | ge            |                  | 1 tenen                          | ه احد   | segua          | da la     | Convergence |
|   | absoluta y mi  | forme de                  | E f           | a ma             | .f                               | acta    | do             |           | ٥           |
|   | absoluta y mi  | V no him                  | N7/1          | (-               | 4.00                             | 06.0-   | <del>-</del> + |           |             |
|   | - S'   | , S'                      |               | n con            | ruge                             |         | ameh           |           | 0 4         |
|   | พพ   | f = \ \ 2n (              | les (ix) for  | nerge ab         | ishta y                          | unför   | nemente        | h hua     | f awlado    |
|   |  |                           |               |                  |                                  |         |                |           |             |
|   | talta les ce   | ntunidad                  |               |                  |                                  |         |                |           |             |
|   | 5 defino s.  | = 2 3n                    | Col (nx)      | Com              | -2~5                             | i My    | Cos(x) es      | Contino   | >           |
|   | 3u (au v   | e Cat                     | -7 501        | 18               |                                  |         |                |           |             |
|   | ∂u Cos y x   | os termina                | . 210         | V3               | lowen                            |         | 9.             | DN = 3    |             |
|   | 4  | ls (Orhun                 | .0            |                  |                                  |         |                |           |             |
|   | 12   |                           |               |                  |                                  |         |                |           |             |
|   | Kana el sin  | es ana                    | logo          |                  |                                  |         |                |           |             |
|   |  |                           |               |                  |                                  |         |                |           |             |
|   |  |                           |               |                  |                                  |         |                |           |             |