373 math

No.

Date

[1]: Let R with the usual topology prove that the interval (a,b) homeomorphic to the set $\{(x,y): y-x=4\}$

[2]: Let R with the usual topology prove that

$(-1,1)$ homeomorphic to $\{(x,y): y=\sqrt{1-x^2}\}$.

ارشاد: (في السؤالين ① ، ② ارسم الدوائر الجزئية).

[3]: Prove that $[1,2) \cong (-4,-2]$ with the

(homeomorphic)

usual subspaces.