Asg 4 Gramply: Assignment (4) Of an in cost + 1 + 1 + ---. 3 2² 3² Ratio test & Root test +1+1 +1 +1 +1 .-free for all sur was take - commen & trem come as above is all tre).

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A as	For a metric space (X,d) the following statements hold:
	1) X & p are como cotos closed sets.
of c	a) Asbitsary intersection of closed sets are closed.
	3) Fruite union of closed sets is closed, sets: Assignment: Proof of puese
	The factor of the second of th

Thm. For a f: f: (x,d) - (Y,P) bet? two metric spaces, the following statements ii) If lim $x_n = 2$ holds in X, then

I'm I'm $x_n = 2$ holds in X, then are equivalent: lim -f(2/n)=of(2) holds in Y. iv) f(A) C F(A) holds for every subset \$A4X. 1) -1-(C) is a closed subset of X whenever (C) is closed subset of Y.