Assignment #4; Due February 13 at start of class

Choosing from among **(REC)** recursive, **(RE)** re non-recursive, **(coRE)** co-re non-recursive, **(NRNC)** non-re/non-co-re, categorize each of the sets in a) through d). Justify your answer by showing some minimal quantification of some known recursive predicate.

{ f domain(f) is infi	inite }
Justification:	_
{ f range(f) = 1 }	
Justification:	_
$\{ < f, x > f(x) \text{ converg} $	ges in at most 2*x+1 steps }
Justification:	_
{ f domain(f) conve	rges in at most 2*x+1 steps for all input x }
Justification:	_