

Name: .....

Please complete the following definitions.

1] If  $a$  and  $b$  are integers, we say that  $b$  divides  $a$  and write  $b \mid a$  if .....

2] We say that two integers  $a$  and  $b$  are *coprime* if .....

3] We say that a function  $f: S \rightarrow T$  is *injective* if .....

4] We say that a function  $f: S \rightarrow T$  is *surjective* if .....