## Set 3 - Homework

Name:					
(1) (*HW*)	Show that a zerodiv	visor in a commu	ntative ring in w	hich $1 \neq 0$ can never be a ur	nit.

(2) (\*HW\*) More generally, show that an integer a is a unit in  $\mathbb{Z}/m$  if and only if  $\gcd(a,m)=1$ .