

Mathematics 300

Quiz 6

Name: _____

You must show your work to get full credit.

1. State precisely the definition of “ m divides n ”. This includes stating what type of numbers m and n are (natural numbers, integers, rational number etc.) and if there are any restrictions on m and/or n .

2. If $2 \mid a$ and $3 \mid b$, prove $12 \mid a^2b$.