

Name: .....

1] Let  $a$  and  $b$  be integers. Complete the following definition:

We say that  $b$  divides  $a$  and write  $b \mid a$  if .....

2] Using the extended Euclidean algorithm, compute  $(72, 26)$  and find integers  $x$  and  $y$  such that

$$(72, 26) = 72x + 26y.$$

\_\_\_\_\_ For statistical purposes, please answer the following questions: \_\_\_\_\_

In which semester did you take AMAT 326(Z)? ..... Which grade did you receive? .....