

Mathematics 174 Quiz #3 Name: \_\_\_\_\_

(1) State the quotient remainder theorem.

(2) Define the following:

(a)  $n \operatorname{div} d$

(b)  $n \bmod d$

(c)  $\lfloor x \rfloor$

(d)  $\lceil x \rceil$

(3) Compute the following:

(a)  $17 \operatorname{div} 3 =$

(b)  $-19 \bmod 4 =$

(c)  $\lfloor 19/2 \rfloor =$

(d)  $\lceil -47/5 \rceil =$