

Math 270 - Basic Discrete Mathematics
Practice Quiz on Section 4.5

Directions: Answer the problems given below.

1. Evaluate each of the following:

a. $28 \operatorname{div} 5 =$

b. $28 \operatorname{mod} 5 =$

c. $13 \operatorname{div} 25 =$

d. $13 \operatorname{mod} 25 =$

2. Prove that for every integer n , if $n \operatorname{mod} 6 = 4$, then $n^2 \operatorname{mod} 6 = 4$.