

Mathematics 174

Quiz # 9

Name: _____

You must show your work to get full credit.

1. Find the following:

$$18 \operatorname{div} 7 \quad \underline{\hspace{2cm}}$$

$$18 \operatorname{mod} 7 \quad \underline{\hspace{2cm}}$$

$$-18 \operatorname{div} 7 \quad \underline{\hspace{2cm}}$$

$$-18 \operatorname{mod} 7 \quad \underline{\hspace{2cm}}$$

2. Show that if $n \operatorname{mod} 5 = 3$, then $n^2 \operatorname{mod} 5 = 4$.