

## Mathematics 174

### Quiz # 7

Name: \_\_\_\_\_

[You must show your work to get full credit.]

1. Write  $a = 34.3737373737 \dots$  as a ratio of two integers.

The ratio is. \_\_\_\_\_

2. Show if  $r$  is a rational number and  $r \neq 1$ , then  $\frac{r}{1-r}$  is rational.