

## Homework

- Q. 1 Show that any positive odd integer is of the form  $6q + 1$ , or  $6q + 3$  or  $6q + 5$ , where  $q$  is some integer.
- Q. 2 Use Euclid's division lemma to show that the square of any positive integer is either of the form  $3m$  or  $3m + 1$  for some integer  $m$ .