1.

*@Override*

public int hashCode() {

int hash = 0;

for (int i = 0; i < 8; i++) {

// Simply ignore the letters and hope they don't store a number like a silly fella

if (Character.*isDigit*(this.rep.charAt(i))) {

hash += this.rep.charAt(i);

}

}

return hash;

}

}

2.

i. I think there would be an issue with the .digit function since it wouldn’t really be able to convert a letter into a digit? If it does and uses the ASCII value then I’m wrong.

ii. I think in the less common case that someone decided to store a phone number with letters, it would make a negligible difference to only include non-letter values in the hash code.

iii. I already did that in question 1 because I read a little bit ahead on the homework.