

Attendance Quiz # 12 for Dr. Z.'s Number Theory Course for Oct. 17, 2013

NAME: (print!) _____

E-MAIL ADDRESS: (print!) _____

1. Using divisibility tests, determine which of the following integers (written in the usual, base 10, way) is divisible by (i) 9 (ii) 11 (iii) 7.

a. 683444

b. 17888

c. 139135

2. Using the Perpetual calendar algorithm, find out on what day of the week is going to be Oct. 17, 5000.

Hint: Find out how many leap years will be from now until 5000.