Name: _____

1. For each of the following collision resolution techniques, insert the keys 17, 3, 9, 39, 5, 6, 28, and 22 into a hash table of size 11 in the order given using hash function $h(x) = x \bmod 11$. Show all of your calculations.

   (a) Chaining.

0	1	2	3	4	5	6	7	8	9	10

   (b) Open addressing with linear probing.

0	1	2	3	4	5	6	7	8	9	10

   (c) Open addressing with double hashing and secondary hash function $h_2(x) = 1 + (x \bmod 8)$.

0	1	2	3	4	5	6	7	8	9	10