Recursion (Master Theorem):

Master Theorem 1 (Easy Version): Let _____ and _____, and let T(n) be defined on the nonnegative integers by the recurrence: T(n) = _____, where we interpret _____ to mean either _____ or _____.

1. _____
2. _____
3. _____

Master Theorem 2 (Easy Version): Let _____and _____, and let T(n) be defined on the nonnegative integers by the recurrence: T(n) = _____, where _____ and _____, where we interpret _____ to mean either _____ or _____, then T(n) = _____.

Master Theorem 3 (Extension of M2 for k < 0):

1. _____
2. _____
3. _____

Ex:

a.)

b.)

c.)

d.)

e.)

f.)

g.)