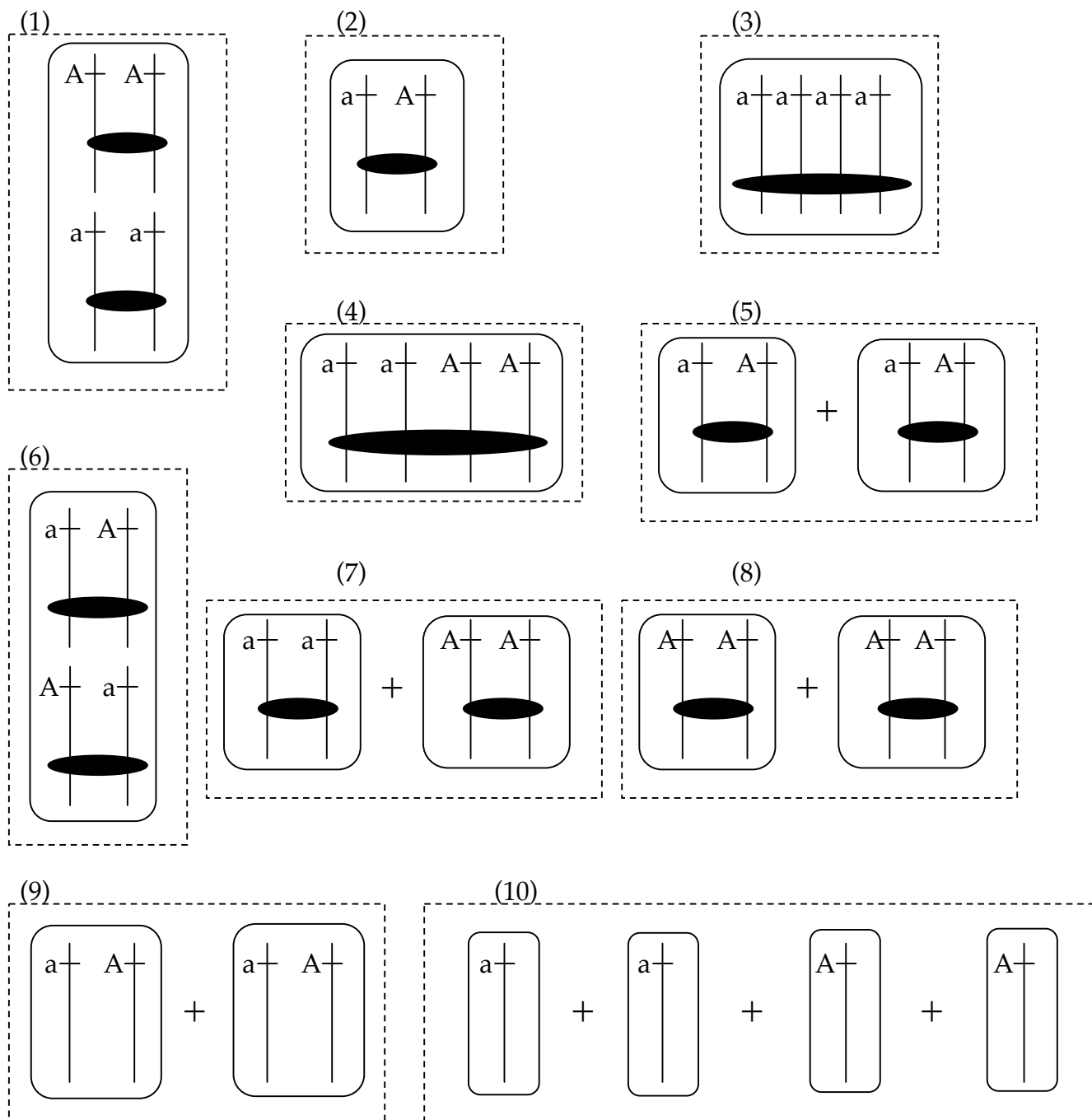


Bio 111 Pre-Lab for Lab #03: Name _____

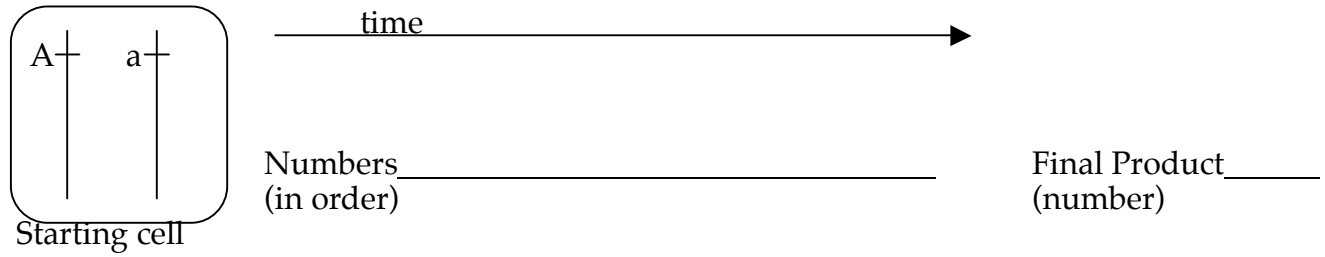
Meiosis TA & Sect. _____

(This question was taken from Bio 111 Fall 2008 Exam I)

Consider an autosomal gene with two alleles, A and a as well as an individual with genotype Aa. Shown below are ten drawings of the relevant chromosomes from this individual. Some are correct drawings of different stages of mitosis and/or meiosis while others are incorrect. Each is enclosed in a dotted line and numbered for reference. The solid lines indicate the cell membrane.



a) Consider the starting cell shown below. Give the sequence of numbers corresponding to the drawings that would show **mitosis** of this starting cell. Each number may be used not at all, once, or more than once. Write your **number(s)** on the line below: (5 pts)



b) Consider the starting cell shown below. Give the sequence of numbers corresponding to the drawings that would show **meiosis** of this starting cell. A given number can be used not at all, once, or more than once. Write your numbers on the line below: (5 pts)

