

## Mitosis vs. Meiosis

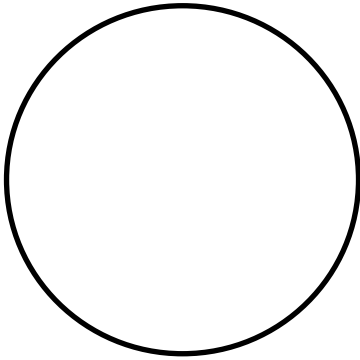
Names: \_\_\_\_\_

You have a diploid cell with 6 chromosomes. Answer the following questions:

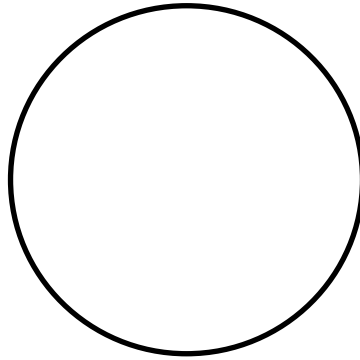
|  | Mitosis | Meiosis |
|--|---------|---------|
| Number of chromosomal duplications                 |         |         |
| <b>Number of cell divisions</b>                    |         |         |
| <b>Number of daughter cells produced</b>           |         |         |
| <b>Number of chromosomes in the daughter cells</b> |         |         |
| Are daughter cells haploid or diploid              |         |         |

What 2 events happen in Prophase I of MEIOSIS that DO NOT happen in Prophase of MITOSIS?

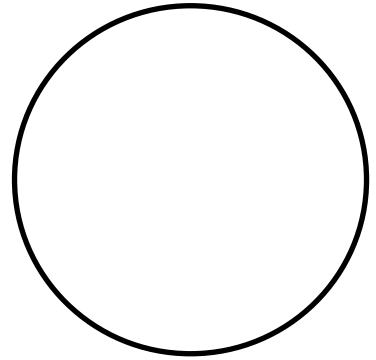
Draw the following stages



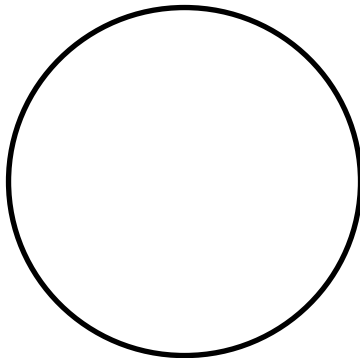
**MITOSIS**  
Metaphase



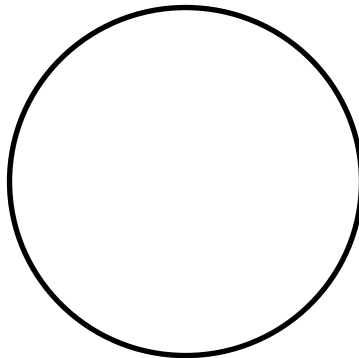
**MEIOSIS**  
Metaphase I



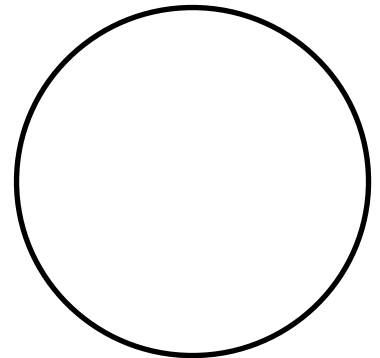
**MEIOSIS**  
Metaphase II



**MITOSIS**  
Anaphase



**MEIOSIS**  
Anaphase I



**MEIOSIS**  
Anaphase II