Mathematics Test

Name: _____

Grade: _____

Date: _____

Look at the universal set and the elements in set A and set B then answer the questions from the drop down menu.

U={1,2,3,4,5,6,7,8,9,10}

A= {2, 4, 6, 8, 10}

B= {3, 6, 9}

1. **What is A ∪ B= { }**

2. **A ∩ B={ }**

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3. n(A)=

a. 5

b. 6

c. 3

d. none

4. n(B)=

a. 5

b. 6

c. 3

d. None

Use the signs $\in$ or $\notin$ to make the sentence true.

5. 10 B $\in$ $\notin$

6. 2 B $\in$ $\notin$

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7. $5 \in B$

8. $4 \in A$

9. $A \subset U$

10. **Complete the Venn diagram by putting in the numbers**

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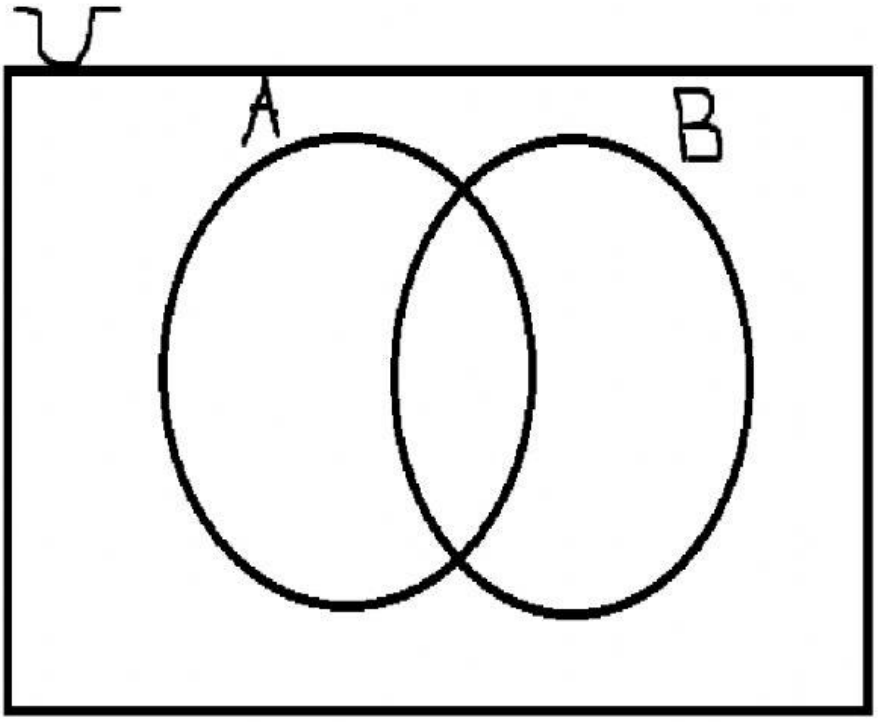

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