

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 $A \cup B = \{ \quad \quad \quad \}$

2. $A \cap B = \{ \quad \quad \quad \}$

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. $10 \in B$ or $10 \notin B$

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

7. $5 \in B$

8. $4 \in A$

9. $A \subset U$

10. Complete the Venn diagram by putting in the numbers

