

Boolean Operators

NAME _____ DATE _____

1. Who invented Boolean logic and what was his occupation?(10 points)
2. Name the 4 Boolean operators that we have discussed today.(2 points each)
 - 1.
 - 2.
 - 3.
 - 4.
3. Which term or phrase may not be used as a Boolean operator? (5 points)
 - A. AND
 - B. BUT
 - C. OR
 - D. NOT
4. Which statement is correct? (10 points)
 - A. Using the Boolean operator **AND** between terms narrows a search by requiring that all terms be present in each record retrieved.
 - B. Using the Boolean operator **AND** between terms broadens a search.
 - C. Adding the Boolean operator **AND** to a search generally increases the number of records retrieved.
5. When two search terms are connected with the OR Boolean operator, the number of hits will generally? (10 points)
 - A. Decrease in number.
 - B. Increase in number.
6. To locate records containing the concept DRUGS but **not** the concept PRESCRIPTION, which search strategy would you use? (10 points)
 - A. drugs **AND** prescription
 - B. drugs **NOT** prescription
 - C. drugs **OR** prescription
7. Go to www.google.com and plug in the following search terms. Give the results that you come up with in the result column. (5 points)

Example of AND logic.

Search terms	Results
poverty	
crime	
poverty AND crime	

8. Go to www.google.com and plug in the following search terms. Give the results that you come up with in the result column. (5 points)

Example of OR logic

Search terms	Results
college	
university	
college OR university	
college OR university OR campus	

9. Go to www.google.com and plug in the following search terms. Give the results that you come up with in the result column. (5 points)

Example of NOT logic

Search terms	Results
cats	
dogs	
cats NOT dogs	

10. After filling in the results in problems 7, 8, and 9 what are your observations? (5 points)

11. Go to www.google.com and plug in the following search terms. Give the results that you come up with in the result column. (5 points)

Search terms	Results
(cats OR dogs) AND rabies	
cats OR dogs AND rabies	

What advantage does parenthesis in your search terms give you?

12. Go to www.google.com and plug in the following search terms. Give the results that you come up with in the result column. (5 points)

Search terms	Results
gray NEAR cats	
gray AND cats	

What advantage does NEAR in your search term give you?

13. Go to <http://dictionary.com/> and define the following. (5 points each)

Boolean

George Boole

Search engine