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Quiz Boolean Statements

Compare

$==$ equal to
 $!=$ not equal to

$>$

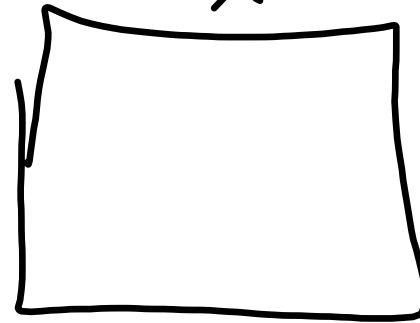
$<$

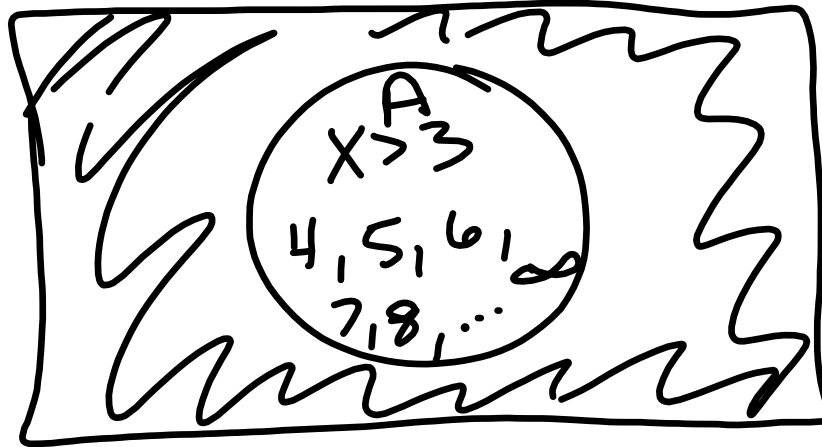
$>=$

$<=$

! $(x > 3)$

$x \leq 3$





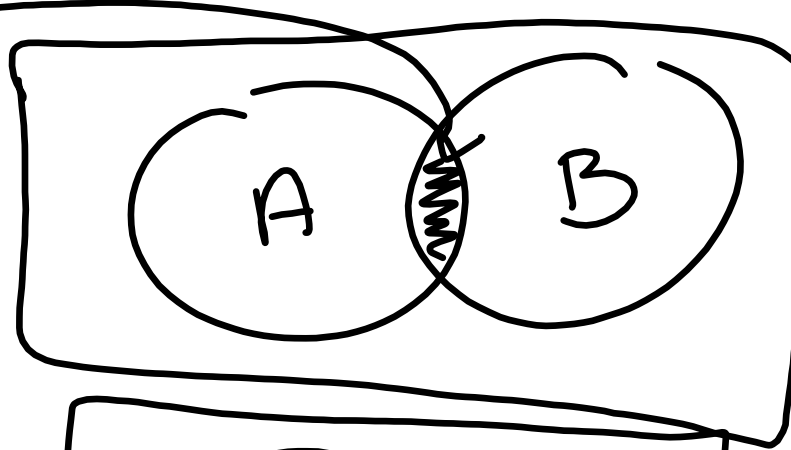
$$!A = [3, 2, 1, 0, \dots - \infty)$$

$\neg(A \vee \neg B)$
 $\neg(A \& \& B)$

F	F	F
F	T	F
T	F	F
T	T	T

De Morgan's
Law

$$\neg(A \vee \neg B) = \neg A \& \& B$$



AB	$A \vee \neg B$
F F	F
F T	T
T F	T
T T	T

$A \vee \neg B$



A XOR B

AND

$\Delta \&$

code

*

Short hand

can't use one ampersand
 & ← bit wise operator

OR

||

code

+

Symbol

XOR

\oplus

Symbol

NOT

!

code

~

Symbol

$T \neq T \rightarrow F$
 $F \neq F \rightarrow F$
 $T \neq F \rightarrow T$
 $F \neq T \rightarrow T$

F & T

a. T
b. F

Tutoring
7:00 - 8:15
2:35 - 4:15