

Test Review

Oct. 18, 2006

know: Study Quiz 1 + Quiz 2

\mathbb{N} → Natural #'s
→ {1, 2, 3, ...}

\mathbb{W} → Whole #
→ {0, 1, 2, 3, ...}

\mathbb{Z} → Integers
→ {... -2, -1, 0, 1, 2, ...}

\mathbb{R} → Real #'s
→ {... -2 ... -1 ... 0 ... 1 ... 2 ...}

\mathbb{Q} → Rational #'s
→ $\frac{\mathbb{Z}}{\mathbb{Z}}$

Notes
→ Systems

Find {Solution} Sets...

- Words ✓

- equations / Inequalities ✓

1st p^y of Quiz 1

Statements as Variables

ie: $P \wedge Q \wedge \neg P \wedge \neg Q$

Sentences w/ ^{*}and/or

writing them

- ② Symbol \Rightarrow words
- ① words \Rightarrow symbol
- ③ Truth Values



9 wd \rightarrow sy
10 wd \rightarrow sy
11 wd \rightarrow sy

~~use pre~~

12 sym \rightarrow wd
13 sym \rightarrow wd
14 sym \rightarrow wd

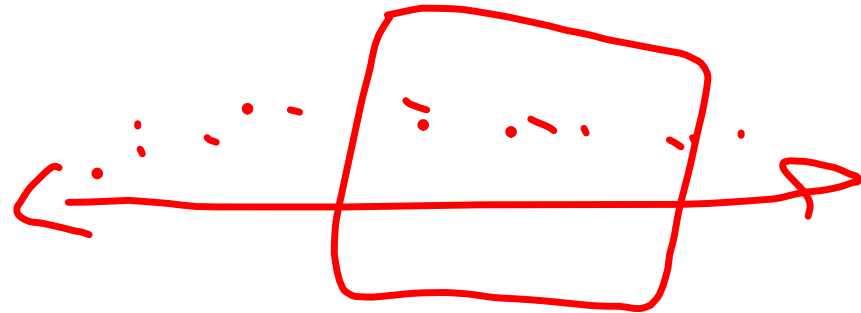
15 use 12 \rightarrow T.V.
16 use 13 \rightarrow T.V.
17 use 14 \rightarrow T.V.

find Solution Sets w/ # Lines

2 ?'s

Both w/ and

which Means Intersection



Fill-In Page ...

And : Math word
also Symb.
or Truth Value
exp.

* Trans " $p \wedge q$
 p and q "

If, Then Mat words, If, Then
Symbol exp. $p \rightarrow q$
Truth Trans.

Converse

Inverse

Contrapositive

Orig... \rightarrow T.V. $T \rightarrow F = F$

\hookrightarrow Conv. \rightarrow T.V. $F \rightarrow T = T$

\rightarrow Inv. \rightarrow T.V.

\rightarrow Cont. \rightarrow T.V.

5 Truth Tables

O.T.L.

① Study

② Test over entire Chapter
is tomorrow Thursday!
Be Ready.