Test Review

Oct. 18, 2006

know: Study Quiz 1 + Quiz 2

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

$\mathbb{W}$ → Whole #'s
→ {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
→ $\frac{\mathbb{Z}}{\mathbb{Z}}$

If $\mathbb{Z}$ is Correct

Find {Solution Sets ...}
- Words ✓
- Equations / Inequalities ✓ ✓

1st pg of Quiz 1

Statements as Variables

ie: $p + q + \sim p \leftrightarrow \sim q$

Sentences w/ * and / or

writing them

② Symbol ⇒ words

① words ⇒ symbol

③ Truth Values

9 wd → Sy

10 wd → Sy

11 wd → Sy

~~Simple~~

12 Sym → wd

13 Sym → wd

14 Sym → wd

15 use 12 → T.V.

16 use 13 → T.V.

17 use 14 → T.V.

Find Solution Sets w/ # Lines

2 ?'s

Both w/ and

which Means Intersection

Fill-In Page . . .

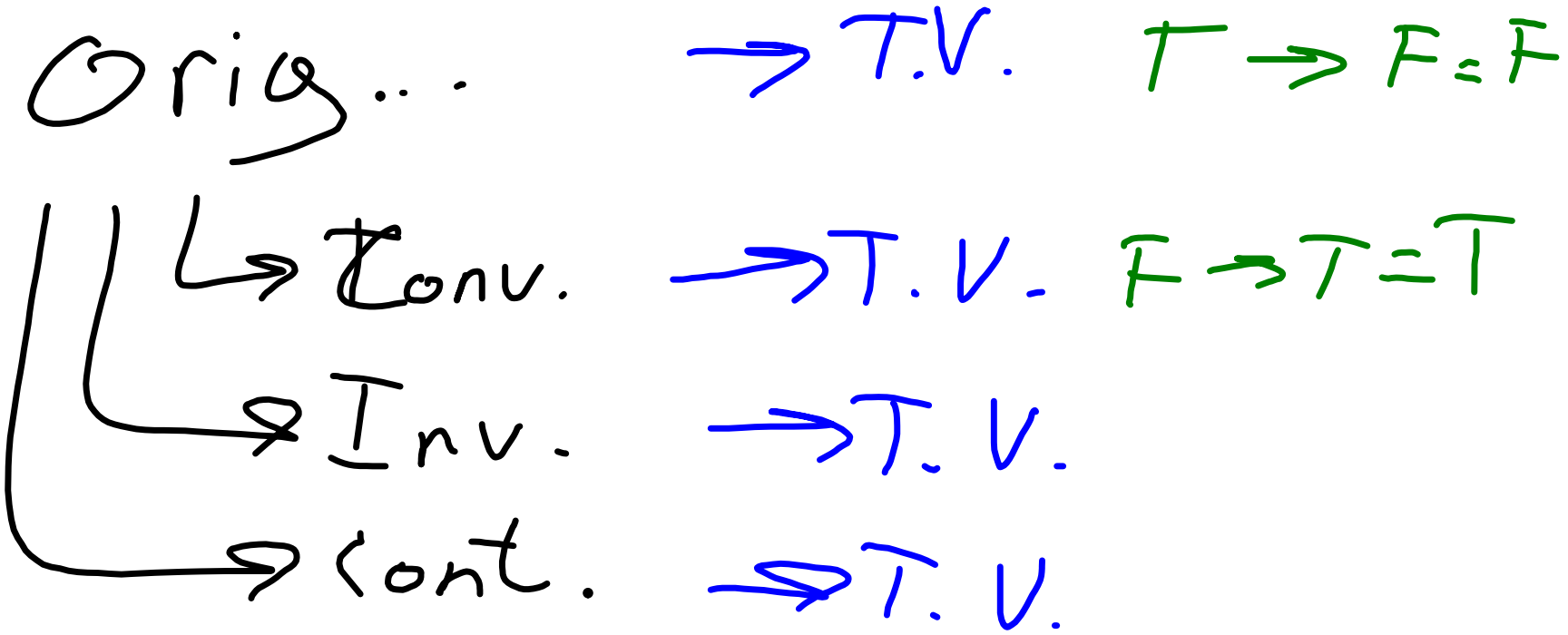
And : Math word
also Symb.
or Truth Value
exp. $p \wedge q$
* Trans "p and q"

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

Converse

Inverse

Contrapositive


Orig...
T.V.
T → F = F
Conv.
T.V.
F → T = T
Inv.
T. V.
Cont.
T. V.

5 Truth Tables

O.T.L.

1. Study
2. Test over entire Chapter is tomorrow: Thursday

Be Ready.