

1.2. cont.
Negation Truth Table

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Let $p \rightarrow$ Mr. G. Teaches Math
What is

$\sim p \rightarrow$ Mr. G Does Not teach
Math

Let $q \rightarrow 3+5=8$

$\sim q \rightarrow 3+5 \neq 8$

$\sim(\sim p) \rightarrow$ It is false That
Mr. G. Does Not teach
Math

If p is True
Then $\sim p$ is False

If p is False
Then $\sim p$ is True

Truth Table

Header	p	$\sim p$	$\sim(\sim p)$
Truth Values	T	F	T
	F	T	F

If \sim appears an odd
of times... Then the
Truth Value is opposite

If \sim appears an even
of times... Then the
Truth Value is The Same

② Use #19

$$\boxed{\#19} \rightarrow 2x = 4$$

So ... $\sim \#22 \Rightarrow 2x \neq 4$

Find the Solution Set \curvearrowright
Domain is \mathbb{N}

$\{0, 1, 3, 4, 5, 6, \dots\}$

\curvearrowright
Must have
 ≥ 3 # to support
a Pattern.

O.T.L.

① Pg 7: Written:

10-17 all

19-24 all