Geometry: Unit 3 Reasoning Conditional Statements 11/13/12 SLO: I can write conditional statements in a flowchart format and include reasons for each hypothesis and conclusion.

င္တာတင္တာ Coday is a GREAT day to think mathematically! Let's get organized first. င်ာင္ဆာင္ရာင္ရာန္က	
TABLE OF CONTENTS:	11/13 Flowchart reasoning
NEW NOTEBOOK PAGE:	11/13 Flowchart reasoning - Name SLO: I can write conditional statements in a flowchart format and include reasons for each hypothesis and conclusion.
Assignment Sheet: 11/13 CW: Flowchart reasoning Due 11/13 11/13 HW: None	
DO NOW SHEET: NONE	- Po notes if you were absent Friday. Po CW if you were here.
LESSON: (Record all work in your notebook.)	
Notes (Copy into your notebook and draw a box around them) SAME AS 11/9, NO NEED TO COPY TWICE	
Vocabulary: Flowchart: representation of a logical argument with statements and reasons.	
(hypothesis)	Example: If $\angle a$ and $\angle b$ are complementary then $a + b = 90^{\circ}$.
reason	\checkmark a and \angle b are complementary
	given

reason

Def. of complementary

 $a + b = 90^{\circ}$

CW: Use the reasons below to complete the flowcharts for the conditional statements on the back of this sheet.

Given Definition of supplementary Definition of complementary Definition of vertical angles Definition of midpoint Definition of bisect

conclusion

Definition of congruent Definition of right angle Definition of straight angle Pythagorean Theorem Midpoint formula Alternate Interior Angles Theorem (& converse) Alternate Exterior Angles Theorem (&converse) Corresponding Angles Postulate (& converse) Consecutive Interior Angles Theorem (& converse)

HOMEWORK: Problems under "Friday 11/9" on the homework sheet. BACK OF DO NOW SHEET: Today my level of understanding is 😳 😇 😁 because _____ EXIT Write a flowchart for: If $n \parallel p$, then $m \angle x + m \angle y = 180^\circ$.

Geometry: Unit 3 Reasoning

SLO: I can write conditional statements in a flowchart format and include reasons for each hypothesis and conclusion.

