H.Geometry – Chapter 2 – Definition Sheet

	Section 2.2
Inductive Reasoning • Process of	1) observing data 2) recognize patterns
	3) make generalizations from observations.
Conjecture Definition	-A generalization based on inductive reasoning. "hypothesis"
Looking for Patterns in number sequences	 Examine the <u>differences</u> (subtract) and <u>ratios</u> (divide) between terms Example: 5,7,10,14, 17 10 +3 -10,-17,-24, -31 -38 -7
	2,4,7,11, 16, 22 + next 1,1,2,3,5,8,13,21,34 # adding previ
Recursion (Recursive Rule)	Applying a rule repeatedly to generate new terms
Picture Patterns	To find the next picture, be sure to make careful observation of what is different in each picture.
	★ 2 ★ 4 ★ 6 → 8 ★ * ★ * ★ * ★ *
Using Inductive Reasoning	
u.	Whatnots Not whatnots Which are whatnots?

* what not is a

· square · squiggle out of corner · must have point