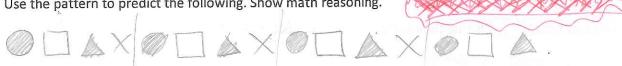
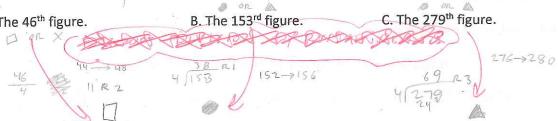


L3 Geometry Chapter 2 Review 2.1-2.5

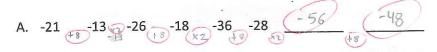
1. Use the pattern to predict the following. Show math reasoning.



A. The 46th figure.



What is the pattern? Predict the next two numbers in the sequence.



- 3. Find a counterexample.
 - A. All balls are spheres. FOOTBALL, RUGBY BAIL
 - B. When it rains, it pours. LIGHT SHOWER, DRIZZUE
 - C. All Hingham high students are carnivores. VEGINS (HEPLBIVORUS?)
- 4. Write the statement as a conditional.
 - A. Whales are cool.

IF AN ANIMAL IS A WHALE

B. Roses are beautiful flowers.

A FOHM K A ROSE.

C. The world's largest trees are giant sequoias.

A TROV IS THE WORLD S ISROPT IT

5. Write the contrapositive.

If a circle has a radius of 8 then its circumference is 16π .

CIRCUIT CIRCUMFRONTIC IC NOT 16TT, TONN IT ON NOT HAVE A RADIU

6. Write the converse.

If an integer ends with 0, then it is divisible by 2.

		If an angle is acute then it's measure is between 0 and 90.
		IF ON ANOW'S MASINER IS BUTUAN Of 90, THEN IT IS DOUGH
7	8.	Is #8 true or false? If true then write as a biconditional. If false then write a counterexample.
		IN SNEUT K SCUTT IF DND ONLY IF HE MUSURU IS BUTURUN O AND GO
	9.	Given the conditional, write the inverse.
		If you tell me to do my chores then I won't do them.
		IF YOU DON'T TOU ME TO DO MY CHOPPIS, THEN I LILL DO THEM
	10.	Biconditionals are formed when the CONDITIONAL and CONVINCE are true.
	11.	All Blandinowals are reversible. And Tionals and are not always.
	12.	Match the statement with the property it illustrates.
	1	. m∠DEF = m∠DEF
	2	. If $\overline{PQ} \cong \overline{ST}$, then $\overline{ST} \stackrel{\text{$\stackrel{\frown}{=}$}}{PQ}$. B. Reflexive Property of Equality
	3	$\overline{XY} \cong \overline{XY}$ c. Transitive Property of Equality
	4	. If $\angle J \cong \angle K$ and $\angle K \cong \angle L$, p. Reflexive Property of then $\angle J \cong \angle L$. Congruence
	5	. If $PQ = QR$ and $QR = RS$, then $PQ = RS$. Symmetric Property of Congruence
	6	If $m \angle X = m \angle Y$, then $m \angle Y = m \angle X$. A Congruence
	13	. Name the property demonstrated.
	7.	ZABC ≡ ZABC FIFTH PROP OF CONGRUENCE
	8.	If $m\angle B = m\angle D$ and $m\angle D = m\angle F$, then $m\angle B = m\angle F$. TRANSTILL FROM OF EQUALITY
	9.	If $\overline{GH} \cong \overline{JK}$, then $\overline{JK} \cong \overline{GH}$. Symmetry \overline{ExoP} , of congruence
	-	If AB = CD, then AB + EF = CD + EF. SOUTHER PROP. OF ERVALITY
		If $m\angle C = 90^\circ$, then $2(m\angle C) + 15^\circ = 2(90^\circ) + 15^\circ$. Substitution PROP.
		If $XY = YZ$, then $3 \cdot XY = 3 \cdot YZ$. MULTIPLICATION FROM. OF EAULUM
		· ·

7. Write the converse.