Name:				Date:		Period: _		
		Unit 8 Day 5 - <sup>-</sup>	The Think M	lethod Clas	swork			
Use the classwork fro	om the past tw	o days to fill in	this table.	Γhen use it	to answer	the questions	S.	
Write "yes" if it is alv	ways true and '	"no" if it is som	etimes or ne	ever true.				
				1				
Properties		Parallelogram	Rectangle	Rhombus	Square	Trapezoid	Isosceles Trapezoid	Kit
Both pair of opposi	te sides ≅							
Both pair of oppos	ite angles $\cong$							
Diagonals ≅								
Diagonals bisect each other								
Diagonals are perpendicular								
								•
1. A quadrilateral ha parallelogram	rectangle	sides. What ar rhombus	e all the pos squar		at it might rapezoid	be? isosc tra	ap kite	
2. A quadrilateral ha	<del></del>	_		•		_	مانا	
parallelogram	rectangle	rhombus	squar	e i	rapezoid	isosc tra	ap kite	
3. A quadrilateral ha	s 2 pair of para	allel sides. Wha	at are all the	possibilitie	s that it mi	ght be?		
parallelogram	rectangle	rhombus	squar	e t	rapezoid	isosc tra	np kite	
4. A quadrilateral ha	is congruent, p	erpendicular di	iagonals. W	hat could it	be?			
parallelogram	rectangle	rhombus	squar		rapezoid	isosc tra	ap kite	
5. A quadrilateral ha	s one right ang	gle and the diag	gonals are no	ot congruer	nt. What is	it?		

kite

kite

isosc trap

isosc trap

parallelogram

parallelogram

rectangle

rectangle

rhombus

6. A quadrilateral has one pair of congruent sides and one pair of parallel sides. What is it?

rhombus

square

square

trapezoid

trapezoid

You want to classify the	e quadrilateral c	orrectly. Here a	re your choices:										
parallelogram	rectangle	rhombus	square	trapezoid	isosc trap	kite							
The midpoint of CW is	(-1, 2) and the r	midpoint of OS is	s (- <del>1, 1</del> .5).										
What quadrilaterals can you eliminate?													
The slope of CW is 0, and the slope of OS is undefined. What does this tell you?													
What quadrilaterals can be eliminated?													
What type of quadrilate	eral is COWS?												
8. Make a rough sketch of quadrilateral BIRD with vertices B(-4, 1) I(2, 4) R(8, 1) D(2, -2)													
BR is 12 and ID is 6. Wh		•											
Cross off the quadrilate parallelogram	rals that have b rectangle	een eliminated: rhombus	square	trapezoid	isosc trap	kite							
. 0	Ü		•	·	·								
The midpoint of BR is (2	2, 1) and the mid	dpoint of ID is (2,	1). What does	this tell you?									
Cross off any additional	quadrilaterals t	that have been e	liminated.										
The slope of BR is 0 and Cross off any additional	•			ll you?									
The slope of BI is ½ and Cross off any additional	•		•										
What type of quadrilate	eral is BIRD?												

7. Make a rough sketch of quadrilateral COWS with vertices C(-4, 2), O(-1, 4), W(2, 2), S(-1, -1).