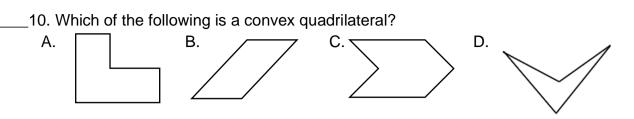
Name:	Date:	Rating/Score:
Activity 1: Guess What?		
Directions: Write the letter of your an	swer on the blank provided	before each number.
1. Which of the following best de	scribes any two opposite an	igles of a parallelogram?
A. Any two opposite angles of	of a parallelogram are alway	rs congruent.
B. Any two opposite angles of	of a parallelogram are supply	ementary.
C. Any two opposite angles o	of a parallelogram are comp	lementary.
D. Any two opposite angles of the second		0 0
2. Which of the following is TRU A. Any two consecutive angle		
B. Any two consecutive angle	es of a parallelogram are sup	pplementary.
C. Any two consecutive angle		
D. Any two consecutive angle		
3. Which of the following statem		
I. Every square is a recta	•	ectangle is a square.
II. Every rhombus is a re		parallelogram is a rhombus.
	only C. II, III, IV	D. IV only
I. The diagonals of a rec		gonals of special parallelograms?
-	sosceles trapezoid are cong	ruent
	quare are perpendicular and	
		perpendicular to each other.
A. I and II only B. II and II		D. I, II, III
5. Which of the following quadril		
A. Square B. Rhombu		D. Trapezoid
6. Which condition is NOT suffic	ient to prove that a quadrila	teral is a parallelogram?
A. A pair of opposite sides are B. Both pairs of opposite angl	les are congruent.	
C. The diagonals are perpend		
D. Both pairs of opposite side		
7. A closed figure bounded by for A. Kite B. Triangle	•	D. Dontogon
A. Kite B. Triangle 8. A part of quadrilateral whose t		D. Pentagon
A. Opposite sides	C. Consecutive si	
B. Consecutive angles	D. Opposite vertic	
9. What do you call the segments	••	
A. Sides B. Angles		D. Vertex

Specific Week: Week 1 and 2

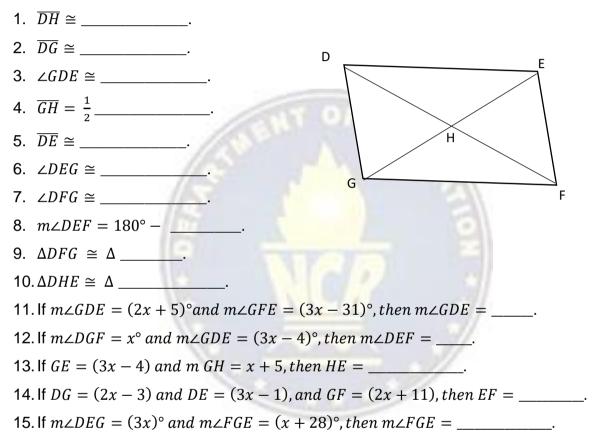
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Note to the Teacher: This LAS was prepared by the writer so that the learners could enhance their skills in determining the conditions that guarantee a quadrilateral a parallelogram, and using the properties to find measures of angles, sides, and other quantities involving parallelograms. Reference, Learners' Material ,305-326

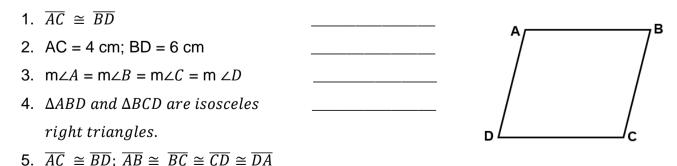


## Activity 2: Yes You Can!

**A.** Given parallelogram DEFG. Complete each statement by writing your answer on the blank after each number.



**B.** ABCD is a parallelogram. Tell which kind of special parallelogram is identified in the following. Write your answer on the blank opposite each number.



Specific Week: Week 1 and 2

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# Activity 3: Am I True / Am I False?

A. Identify whether the following statements are **Always True, Sometimes True,** or **Never True**. Write your answer on the blank before each number.

- \_\_\_\_\_1. A quadrilateral with four congruent sides is a rhombus.
  - \_\_\_\_\_2. A parallelogram with at least one right angle is a rectangle.
- \_\_\_\_\_3. A parallelogram with perpendicular diagonal is a rhombus.
  - \_\_\_\_\_4. A parallelogram with congruent diagonals is a rectangle.
  - 5. If the diagonals of a quadrilateral bisect each other, then the quadrilateral is a parallelogram.
    - 6. If the diagonals of a quadrilateral are perpendicular bisector of each other, then the quadrilateral is a rhombus.
    - \_\_7. If all angles of a quadrilateral are congruent, then the quadrilateral is a rectangle.
  - \_\_\_\_\_8. Every square is a rhombus.
    - \_\_\_9. All squares are rectangle.
    - \_10. Some rectangles are rhombi.

B. Complete the table below by checking whether the quadrilateral having that condition is a **rectangle**, a **rhombus**, or a **square**.

PROPERTIES OF SPECIAL PARALLELOGRAMS	RECTANGLE	RHOMBUS	SQUARE
1. At least two of its angles are right angles.			
2. Both pairs of its opposite sides are congruent.	1		
3. Its diagonals are congruent.			
4. Its Diagonals are congruent and perpendicular.			
5. Its diagonals are perpendicular.			
6. Its diagonals are congruent, and they bisect each other.	1		
7. Each pair of consecutive angles is supplementary.			
8. Its diagonals bisect each other.			
9. It is equiangular.			
10. Its diagonals bisect each other, are congruent and perpendicular.			

#### Specific Week: Week 1 and 2

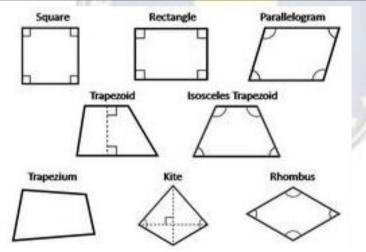
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## Activity 4: Puzzle – Me!

**Directions:** In the given crossword puzzle, box the names of the quadrilaterals that are illustrated below.

S	W	D	Ι	Y	Q	U	R	Т	R	Α	Ρ	Е	Ζ	Ι	U	Μ	D
F	Q	В	Т	Н	Е	Т	Y	Α	F	Q	А	Т	Т	W	R	D	J
С	L	U	А	D	K	Е	Е	V	F	S	R	F	R	R	Н	Ν	L
Т	Е	А	А	J	R	Ι	U	Y	Ι	G	А	Е	Е	Т	М	R	D
D	Н	F	Н	R	Е	С	Т	Α	Ν	G	L	Е	L	М	S	Н	Н
K	Е	Υ	W	Ρ	Е	S	А	Е	-	Κ	L	Q	Ρ	В	Н	0	А
F	J	Т	R	А	Ρ	Е	Ζ	0	Ι	D	Е	W	Κ	G	R	М	Ι
S	0	Q	J	0	Т	F	S	R	R	Q	L	Н	L	V	D	В	В
Κ	Ρ	F	М	Y	G	T	M	D	В	S	0	L	R	D	Т	U	Е
Е	R	Ρ	А	R	А	L	L	Е	L	0	G	R	Α	М	Х	S	D
Ι	Υ	Ρ	S	Н	н	0	Υ	В	Υ	W	R	R	н	Α	G	Т	Т
Ι	S	0	S	С	Е	L	Е	S	Т	R	А	Ρ	Е	Ζ	0	Ι	D



Specific Week: Week 1 and 2

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### LEARNING ACTIVITY SHEET

### ANSWER KEY:

ACTIVITY 1	ACTIVITY 2		ACTIVITY 3
1 A	А	В	Α
2 B	1. $\overline{FH}$ or $\overline{HF}$	1. Square; Rectangle	1.Sometimes True
3. A	2. <i>FE</i>	2. Rhombus	2. Sometimes True
4. D	3. ∠ <i>EFG</i>	3. Square & rectangle	3. Sometimes True
5. D	4. <i>GE</i>	4. Square & rhombus	4. Sometimes True
6. C	5. <i>FG</i>	5. Square	5. Always True
7. C	6. ∠ <i>FGE</i>		6. Sometimes True
8. C	7. ∠FDE		7. Sometimes True
9. C	8. ∠EFG or ∠EDG		8. Always True
10. B	9. Δ <i>FDE</i>	Contraction of the second	9. Always True
	10. Δ <i>FHG</i>	CHI OF	10. Never True
	11. m $\angle GDE = 77$		6
	12. m∠ <i>DEF</i> = 48	5	
	13. HE = 19		2
	14. EF = 21	- A	_ 2
	15. m∠ <i>FEG</i> = 42	NVA I	

#### Activity 4

S	W	D	Ι	Y	Q	U	R	Т	R	А	Ρ	Е	Ζ	Ι	U	М	D
F	Q	В	Т	Н	Е	Т	Υ	Α	F	Q	А	Т	Т	W	R	D	J
С	L	6	А	D	K	Е	Е	V	F	S	R	F	R	R	Н	Ν	L
Т	E	Α	A	J	R	1	U	Y	Т	G	А	Е	Е	Т	М	R	D
D	Н	F	н	R	Е	С	F	A	Ν	G	L	Е	L	М	S	н	Н
К	Е	Υ	W	Ρ	È	S	A	E		К	L	Q	Р	В	Н	0	Α
F	J	Т	R	Α	Ρ	Е	Ζ	0	I	D	Е	W	К	G	R	М	Ι
S	0	Q	J	0	Т	F	S	R	R	Q	L	Н	L	V	D	В	В
К	Р	F	М	Y	G	Т	М	D	В	S	0	L	R	D	Т	U	Е
Е	R	Р	А	R	А	L	L	Е	L	0	G	R	А	М	Х	s	D
Ι	Y	Ρ	S	н	Н	0	Y	В	Y	W	R	R	Н	Α	G	Т	Т
	S	0	S	С	Е	L	Е	S	Т	R	А	Ρ	E	Ζ	0	I	D

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