

## POLYGONS WORKSHEET – HARD (CLASS 5)

Name: \_\_\_\_\_ Date: \_\_\_\_\_

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### SECTION 1: MULTIPLE CHOICE

1. Which of the following is a polygon?  
 Circle  
 Triangle  
 Oval
  2. A shape with 8 sides is called:  
 Hexagon  
 Octagon  
 Pentagon
  3. Which statement is correct?  
 Polygons can have curved sides  
 All polygons are closed shapes  
 A polygon can be open
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### SECTION 2: TRUE OR FALSE

1. A triangle is the simplest polygon \_\_\_\_\_
  2. All polygons must have straight sides \_\_\_\_\_
  3. A circle is a type of polygon \_\_\_\_\_
  4. A hexagon has 6 sides \_\_\_\_\_
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### SECTION 3: THINK AND ANSWER

1. How many sides does a heptagon have?
  
2. Write the correct names:

6 sides → \_\_\_\_\_

8 sides → \_\_\_\_\_

5 sides → \_\_\_\_\_

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#### SECTION 4: REASONING QUESTIONS

1. Why is a circle NOT a polygon?
  
  2. What is the difference between a polygon and a non-polygon?
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#### SECTION 5: CLASSIFICATION

Write Polygon or Not a Polygon:

Triangle : \_\_\_\_\_

Square : \_\_\_\_\_

Circle : \_\_\_\_\_

Pentagon : \_\_\_\_\_

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#### SECTION 6: DRAWING TASK

1. Draw a polygon with 6 sides.
2. Draw a polygon with 5 sides.

Bonus:

Can a polygon have less than 3 sides? Explain your answer.

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