Instructions: Wrong is right

Object of the Game: Win the most points by choosing the wrong answers.

Materials:
- Wrong is right cards
- Special die with only 1,2,3 (or you can use a regular die and 1 &2 count as 1, 3&4 count as 2, 5&6 count as 3.
- Dry erase markers/erasers

To play

Place the cards in a stack, where everyone can reach them.

Lay out two cards.

First player rolls the 1-2-3 die and chooses a card. The player scratches out the number of wrong answers that correspond with the roll of the die.

- Roll a 1 – scratch out one wrong answer
- Roll a 2 – scratch out 2 wrong answers
- Roll a 3 – scratch out 3 wrong answers

Player earns one point for each wrong answer they scratch. If a player accidentally scratches out the correct answer, he/she earns no points for that round (even if they did already scratch out some wrong answers). Keep score on the dry erase board.

Play until there are no more cards or until you run out of time. The cards are two-sided so be sure to play both sides.

To win: Winner is the one with the most points at the end of the game.

Printing: landscape, black & white, 2-sided, laminate for dry erase

Unit: 5th – Geometry
Lesson: Classify 2D Figures
Wrong is Right

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1	2	3	4	5	6
C	D	A	B	C	B
7	**8**	**9**	**10**	**11**	**12**
A	B	D	C	A	B
13	**14**	**15**	**16**	**17**	**18**
C	B	C	C	B	D
19	**20**	**21**	**22**	**23**	**24**
A	C	A	A	C	D
25	**26**	**27**	**28**	**29**	**30**
C	B	A	B	A	D

1. In the diagram shown, each circle represents a group of 2-dimensional figures. If a figure belongs in a circle, it also belongs in any larger circle.
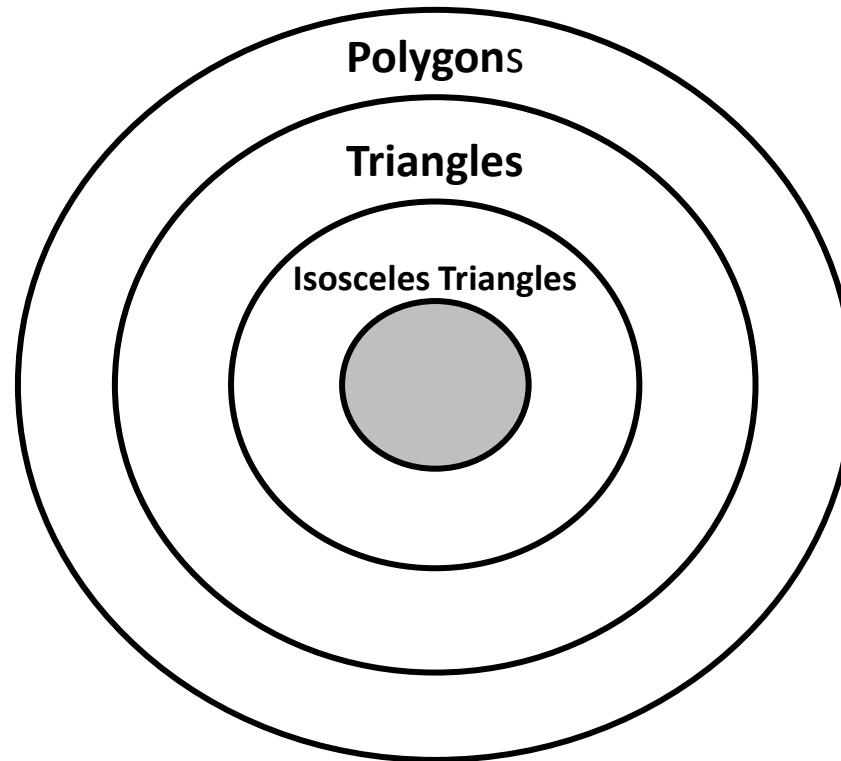
Which kind of figures belong in the shaded circle?

A. Right Triangles

B. Scalene Triangles

C. Equilateral Triangles

D. Obtuse Triangles

5.5.A – classify 2D – wrong is right

2. A student used this graphic organizer to classify different figures.

Triangles

Isosceles Triangles

| Figure I | Figure II | Figure III | Figure IV | Figure V |

Which figures belong in the part of the organizer labeled "Isosceles Triangles"?

A. Figures II and V only

B. Figures I, III, and V only

C. Figures I and III only

D. Figures II, IV and V only

3. Ronette classified shapes based on the types of angles they had. The table shows her classifications.

| Right Angles Only	Acute Angles Only	Obtuse Angles Only	Both Acute and Obtuse Angles
Shape 1	Shape 3	Shape 5	Shape 7
Shape 2	Shape 4	Shape 6	Shape 8

Which shape was NOT classified correctly?

A. Shape 1
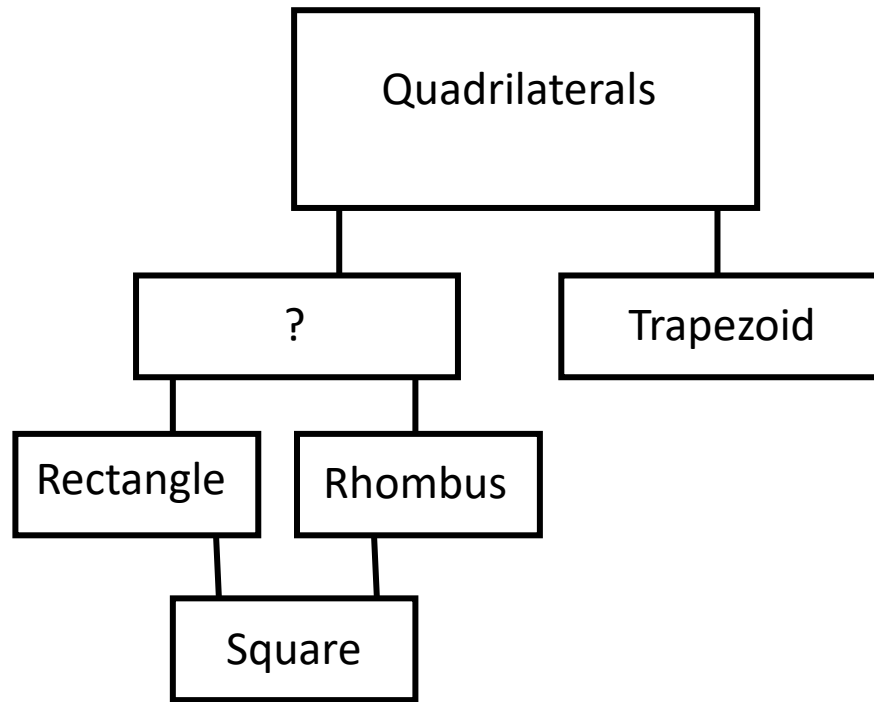
B. Shape 3

C. Shape 5

D. Shape 7

4. This Venn diagram shows the relationship between some types of triangles.
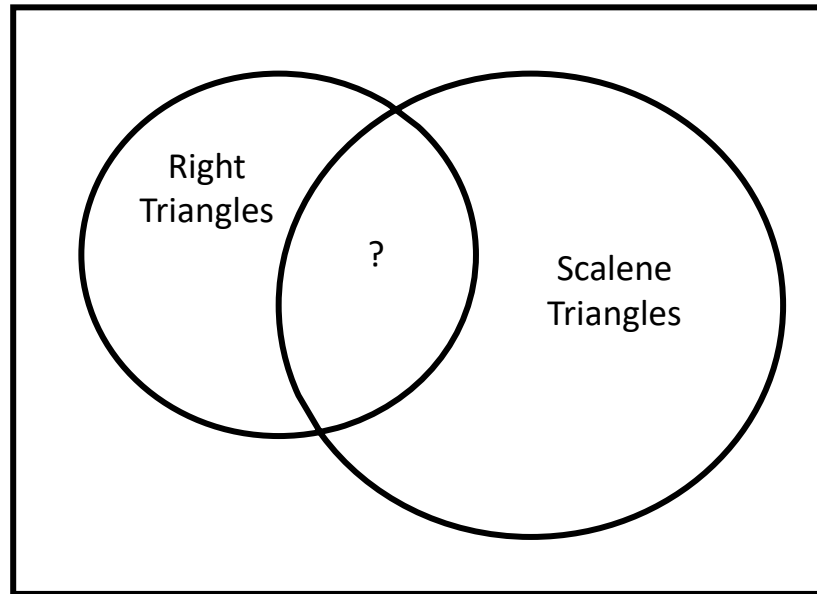
Which triangle belongs in the intersection of "Acute triangles" and "Isosceles triangles"?

A.

B.

C.

D.
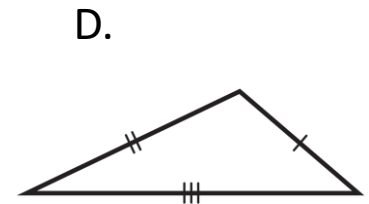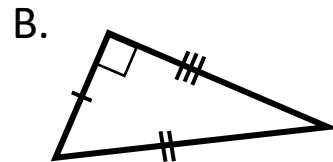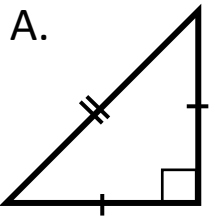
5. Akshar is making a mobile that lists quadrilaterals.

```
                    ┌─────────────────┐
                    │  Quadrilaterals │
                    └─────────────────┘
                       │           │
              ┌────────────┐   ┌──────────┐
              │      ?     │   │ Trapezoid│
              └────────────┘   └──────────┘
                │        │
         ┌───────────┐ ┌──────────┐
         │ Rectangle │ │ Rhombus  │
         └───────────┘ └──────────┘
                │        │
              ┌────────────┐
              │   Square   │
              └────────────┘
```

What is the name of the subset of quadrilaterals missing from Akshar's mobile?

A. Hexagon

B. Polygon

C. Parallelogram

D. Triangle

5.5.A – classify 2D – wrong is right

6. In which table are the check marks placed in all the correct boxes?

A.

	Quadrilateral	Parallelogram	Rectangle
▱			✓
◺	✓		✓
☐	✓	✓	✓

B.

	Quadrilateral	Parallelogram	Rectangle
▱	✓	✓	
◺	✓		
☐	✓	✓	✓

C.

	Quadrilateral	Parallelogram	Rectangle
▱	✓		
◺	✓		
☐	✓	✓	

D.

	Quadrilateral	Parallelogram	Rectangle
▱			✓
◺	✓		✓
☐	✓	✓	✓

7. Quadrilaterals can be classified using the graphic organizer shown.
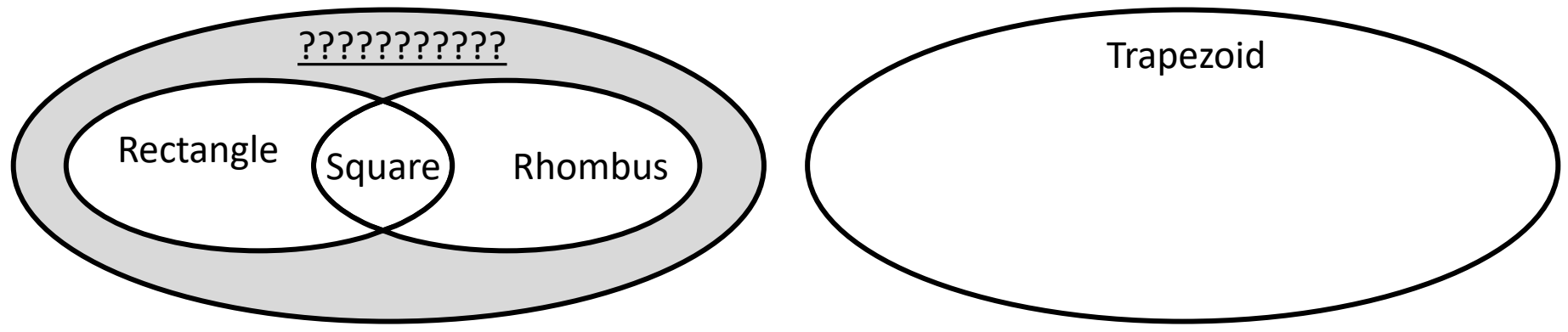
Which term best classified the shapes that belong in the shaded section of the organizer?

A. Parallelogram

B. Polygon

C. Pentagon

D. None of these

8. This graphic organizer is being used to classify triangles based on their angle measures or side lengths.

Angle Measure Classification			Side Length Classification		
Acute	Right	Obtuse	Isosceles	Equilateral	Scalene

Which list shows all the ways this triangle could be classified?

A. Right only

B. Right and Scalene

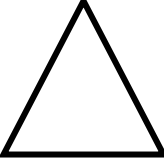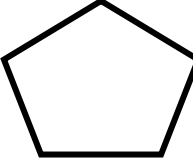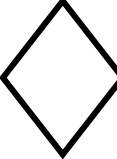C. Right, Obtuse and Scalene only

D. Acute, isosceles, and equilateral
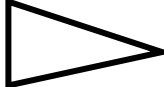
5.5.A – classify 2D – wrong is right

9. This Venn diagram is being used to classify two types of quadrilaterals.
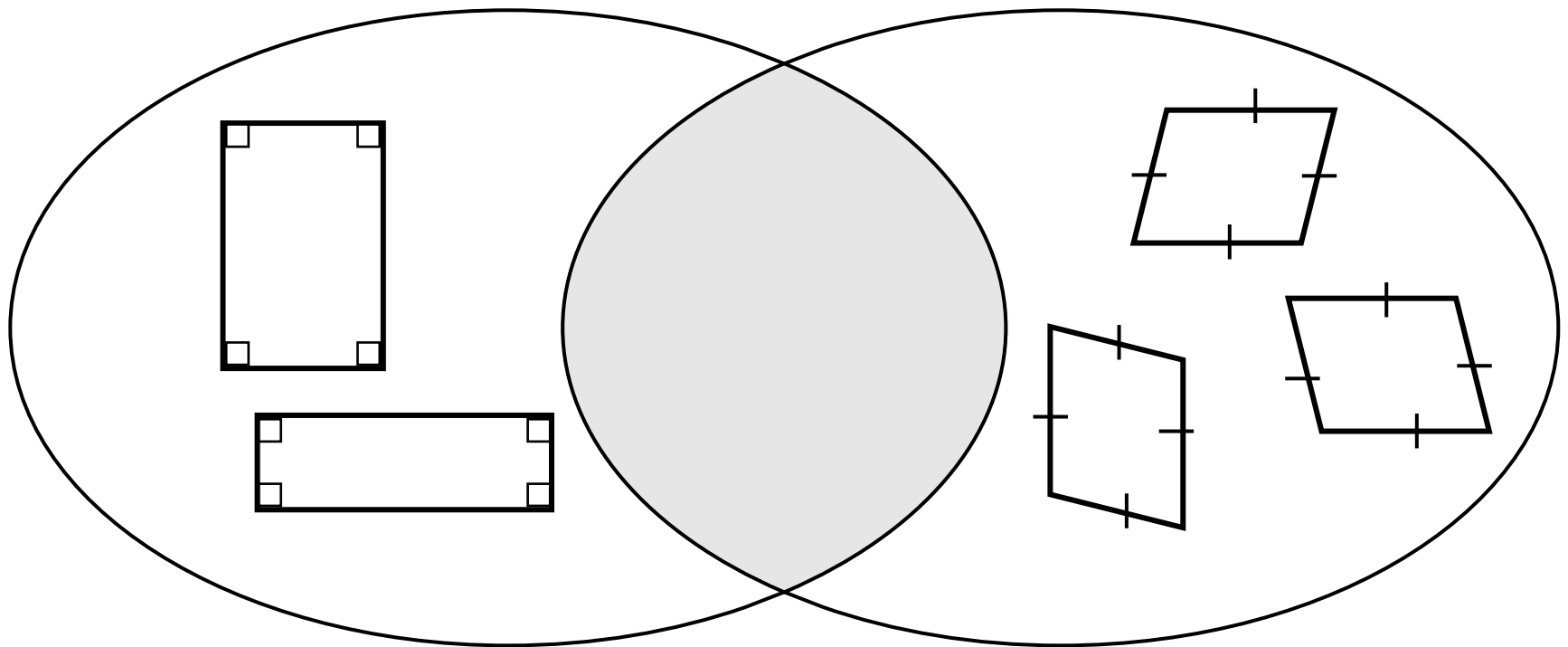
Which type of figure will always belong in the shaded section of this Venn diagram?

A. Rectangle

B. Rhombus

C. Trapezoid

D. Square

10. Ronald classified shapes based on the types of angles they had. The table shows his classifications.

Right Angles Only	Acute Angles Only	Obtuse Angles Only	Both Acute and Obtuse Angles
Shape 1	Shape 3	Shape 5	Shape 7
Shape 2	Shape 4	Shape 6	Shape 8

Which shape was NOT classified correctly?

A. Shape 4

B. Shape 5

C. Shape 6

D. Shape 8
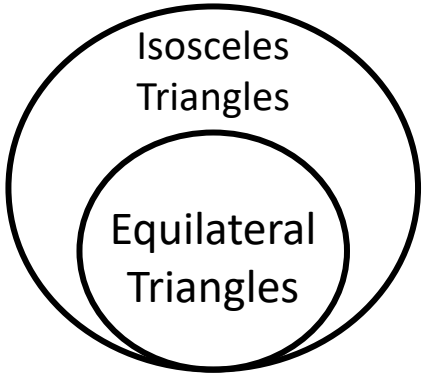
5.5.A – classify 2D – wrong is right

11. A student used this graphic organizer to classify different figures.

Which figures belong in the part of the organizer labeled "Isosceles Triangles"?

A. Figure II only

B. Figures I, III, and V only

C. Figures I and III only

D. Figures II, IV and V only
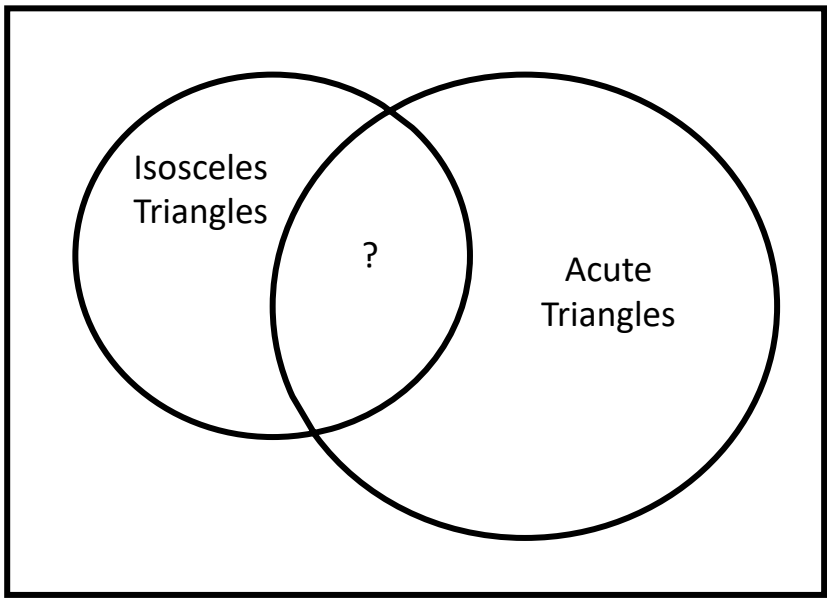
5.5.A – classify 2D – wrong is right

12. Nellie built the hanging mobile shown in the picture to show some relationships among shapes.

```
                    ◯
                   ╱ ╲
                  ╱   ╲
                 ╱     ╲
        ┌───────────────────────┐
        │     Parallelogram     │
        └───┬──────────┬──────┬─┘
            │          │      │
        ┌───────┐  ┌───────┐  ┌───────┐
        │Rhombus│  │Square │  │       │
        └───────┘  └───────┘  └───────┘
```
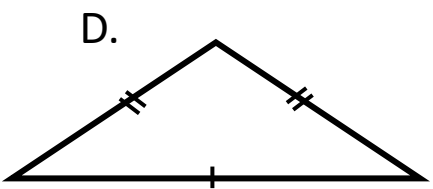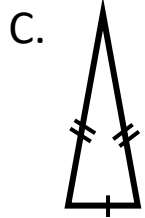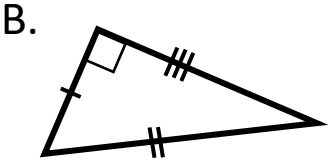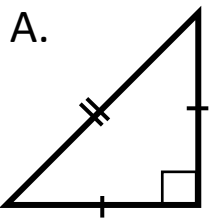
Which shape goes in the empty box to complete Nellie's mobile?

A. Trapezoid

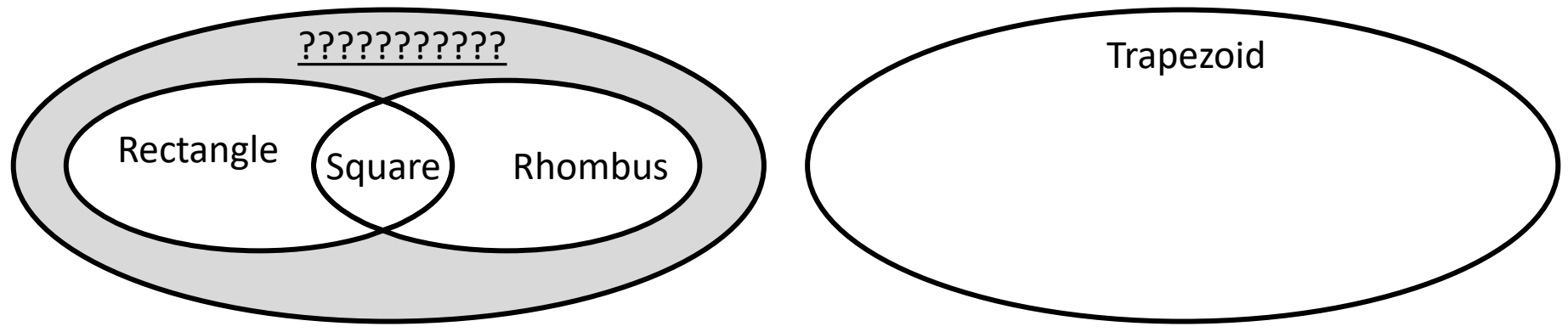B. Rectangle

C. Quadrilateral

D. Triangle

13. This Venn diagram shows the relationship between some types of triangles.

Which triangle belongs in the intersection of "Acute triangles" and "Isosceles triangles"?

A.

B.

C.

D.

14. Quadrilaterals can be classified using the graphic organizer shown.

???????????

Rectangle   Square   Rhombus

Trapezoid

Which term best classified the shapes that belong in the shaded section of the organizer?

A. Polygon

B. Parallelogram

C. Pentagon

D. None of these

15. This graphic organizer is being used to classify triangles based on their angle measures or side lengths.

Angle Measure Classification			Side Length Classification		
Acute	Right	Obtuse	Isosceles	Equilateral	Scalene

Which list shows all the ways this triangle could be classified?
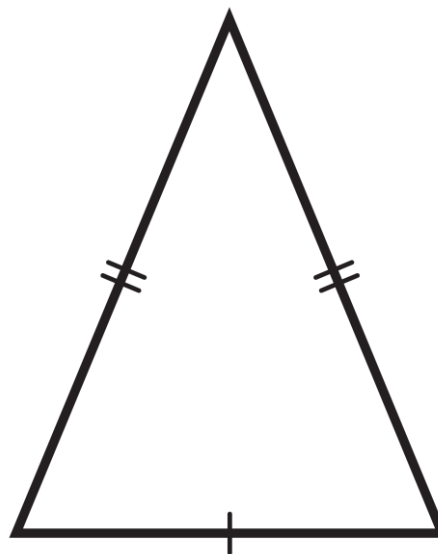
A. Acute only

B. Equilateral only

C. Acute and isosceles only

D. Acute, isosceles, and equilateral

16. In which table are the check marks placed in all the correct boxes?

A.

	Quadrilateral	Rhombus	Polygon
○			✔
△			✔
▱	✔		✔
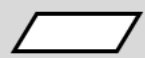
B.

	Quadrilateral	Rhombus	Polygon
□	✔		
△			
▭	✔		

C.

	Quadrilateral	Rhombus	Polygon
□	✔	✔	✔
△			✔
▭	✔		✔

D.

	Quadrilateral	Rhombus	Polygon
○			
△			✔
▱			✔

17. A student used this graphic organizer to classify different figures.

Which figures belong in the part of the organizer labeled "Isosceles Triangles"?

A. Figures II and V only

B. Figures I, III, and V only

C. Figures I and III only

D. Figures II, IV and V only

18. In which table are the check marks placed in all the correct boxes?

Quadrilaterals

Parallelograms

Non-Parallelograms

Shape 1

Shape 2
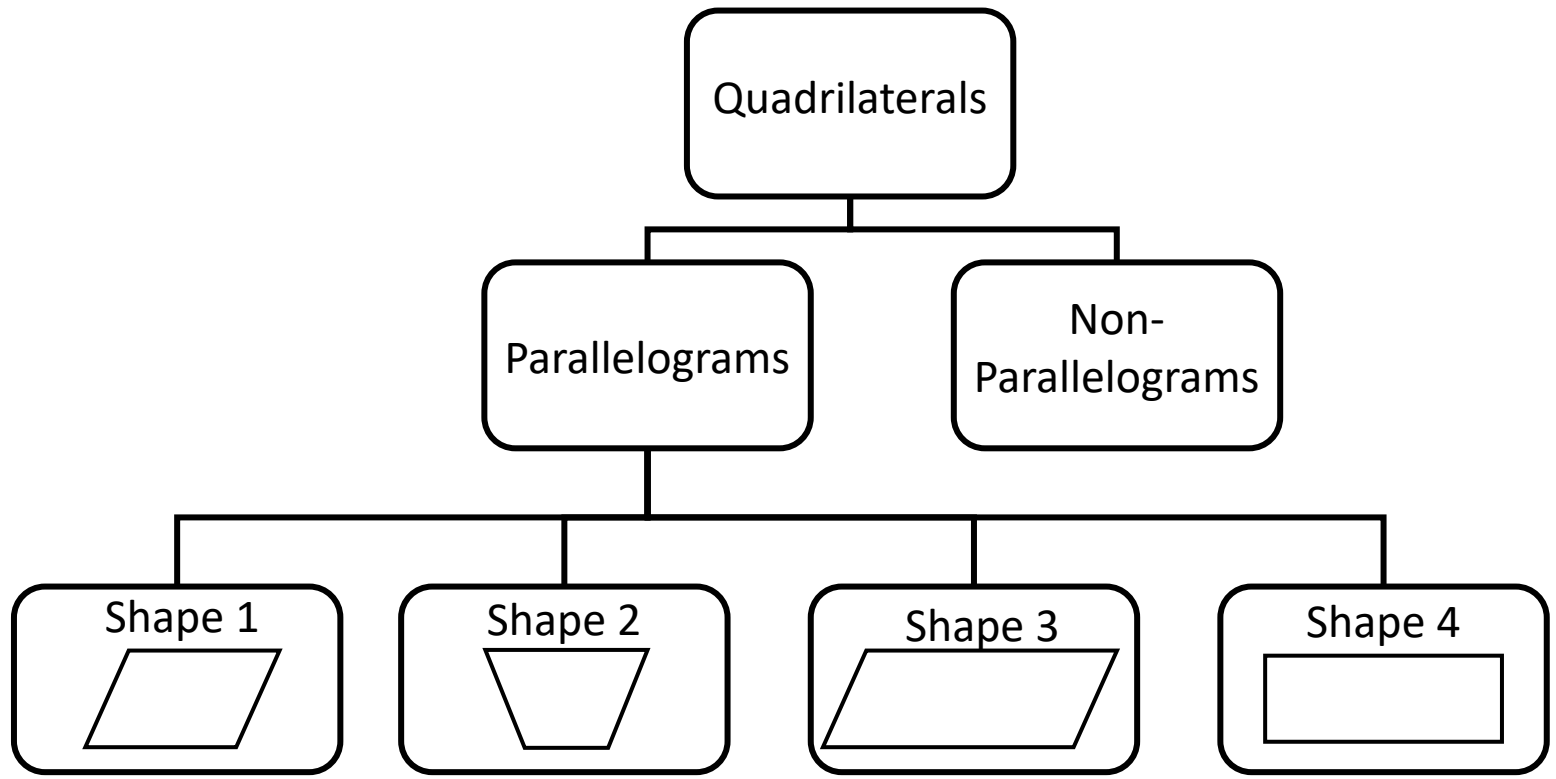
Shape 3

Shape 4

Which shapes appear to be classified correctly?

A. Shapes 1 and 3 only

B. Shapes 2 and 4

C. Shapes 1,2, and 3

D. Shapes 1,3, and 4

19. This Venn diagram shows the relationship between some types of triangles.
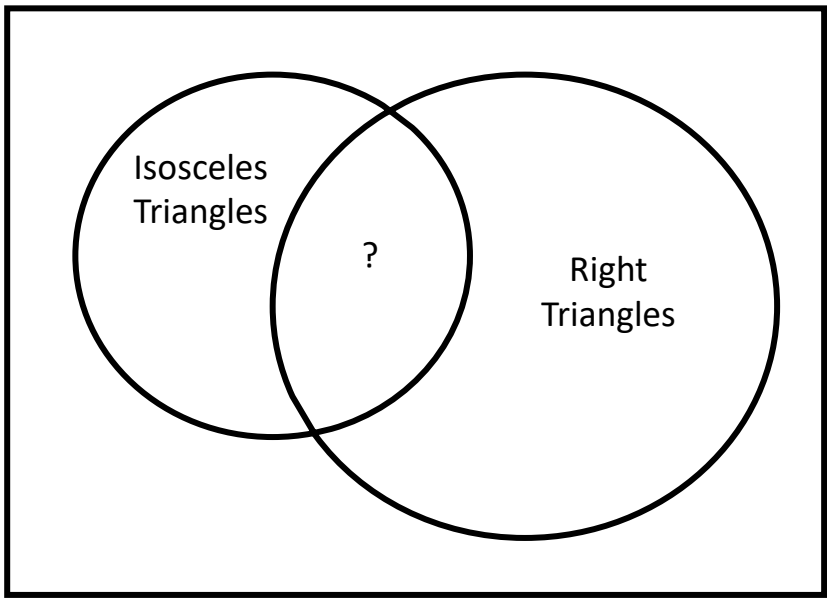
Which triangle belongs in the intersection of "Acute triangles" and "Isosceles triangles"?

A.

B.

C.

D.
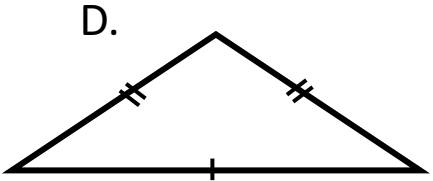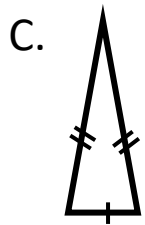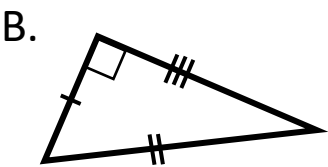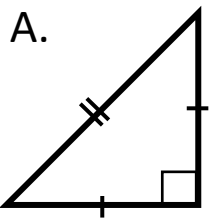
20. Quadrilaterals can be classified using the graphic organizer shown.
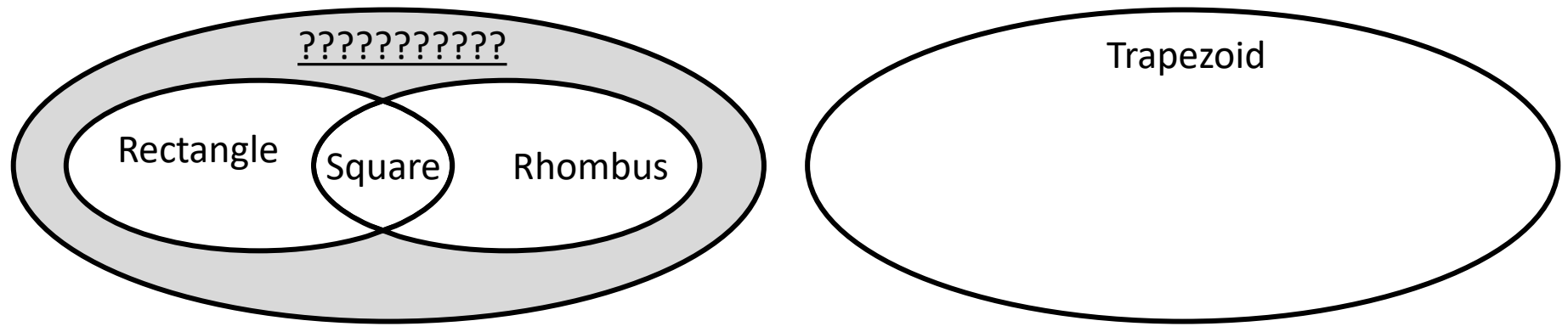
Which term best classified the shapes that belong in the shaded section of the organizer?

A. Pentagon

B. Polygon

C. Parallelogram

D. None of these

5.5.A – classify 2D – wrong is right

21. Arnold is making a mobile that lists quadrilaterals.

```
                    ┌─────────────────┐
                    │  Quadrilaterals │
                    └─────────────────┘
              ┌──────────────┐   ┌──────────────┐
              │ Parallelogram│   │   Trapezoid  │
              └──────────────┘   └──────────────┘
        ┌──────────────┐  ┌──────────────┐
        │   Rectangle  │  │       ?      │
        └──────────────┘  └──────────────┘
              ┌──────────────┐
              │    Square    │
              └──────────────┘
```
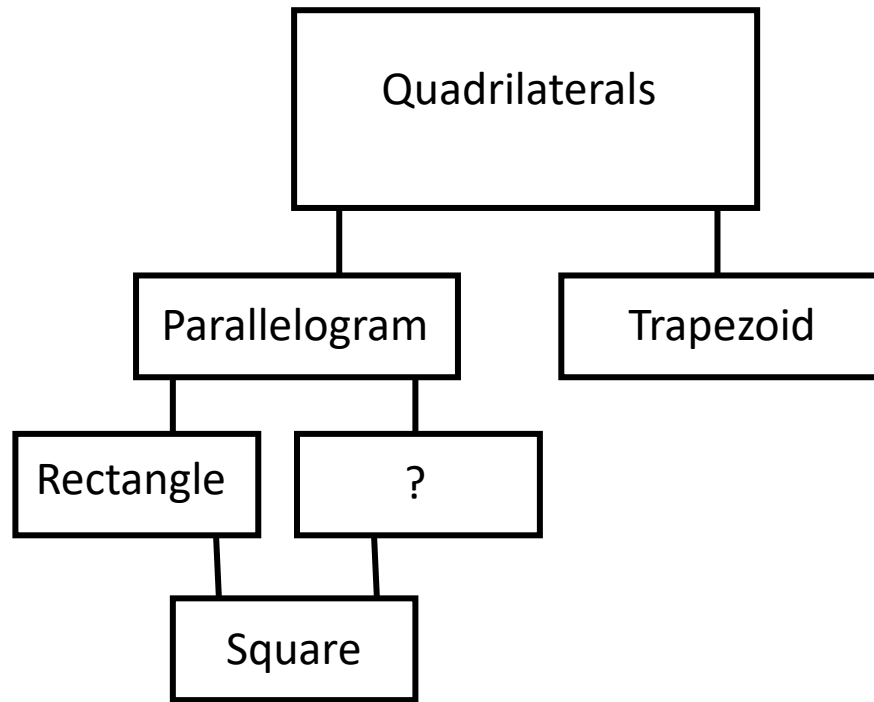
What is the name of the subset of quadrilaterals missing from Arnold's mobile?

A. Rhombus

B. Polygon

C. Pentagon

D. Triangle

22. In the diagram shown, each circle represents a group of polygons. If a polygon belongs in a circle, it also belongs in any larger circle.
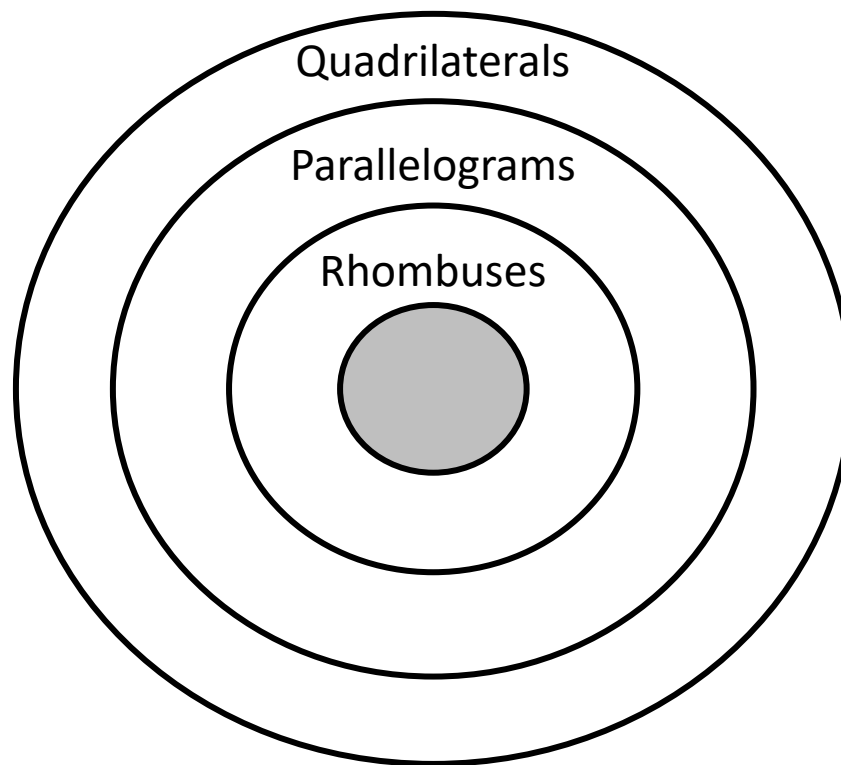
Which kind of polygons belong in the shaded circle?

A. Squares

B. Rectangles

C. Trapezoids

D. All of these

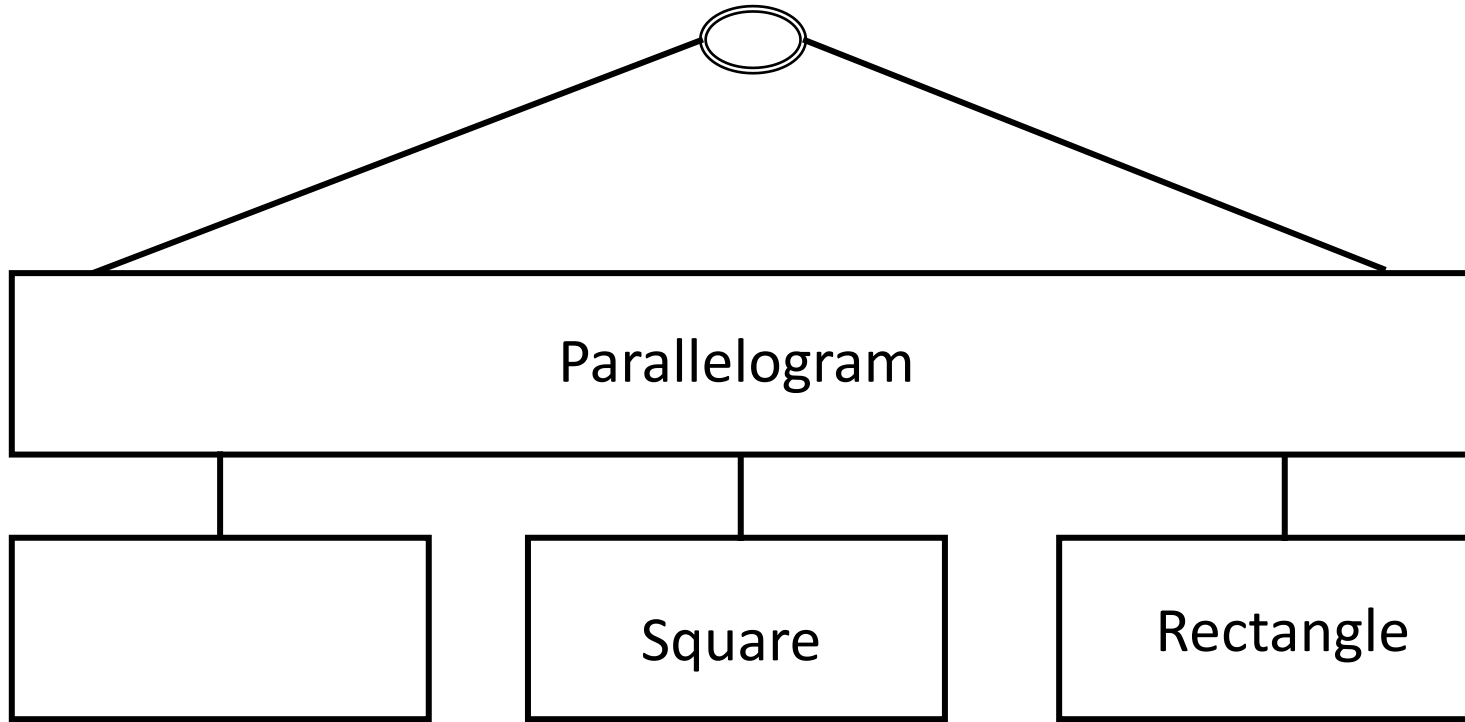23. Nathan built the hanging mobile shown in the picture to show some relationships among shapes.

```
                         ◎
                       /    \
                     /        \
                   /            \
        ┌─────────────────────────────────┐
        │         Parallelogram           │
        └─────────────────────────────────┘
           │              │            │
       ┌───────┐     ┌─────────┐   ┌───────────┐
       │       │     │ Square  │   │ Rectangle │
       └───────┘     └─────────┘   └───────────┘
```

Which shape goes in the empty box to complete Nathan's mobile?

A. Trapezoid

B. Quadrilateral

C. Rhombus

D. Triangle

24. This graphic organizer is being used to classify triangles based on their angle measures or side lengths.

Angle Measure Classification			Side Length Classification		
Acute	Right	Obtuse	Isosceles	Equilateral	Scalene

Which list shows all the ways this triangle could be classified?

8 cm   8 cm

8 cm
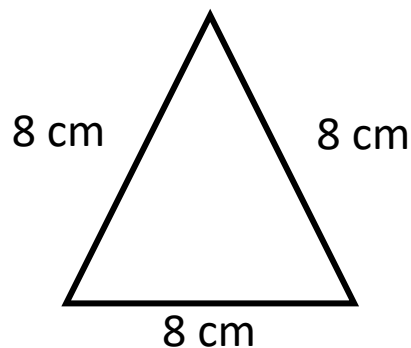
A. Acute only

B. Equilateral only

C. Acute and isosceles only

D. Acute, isosceles, and equilateral

25. This Venn diagram is being used to classify two types of quadrilaterals.
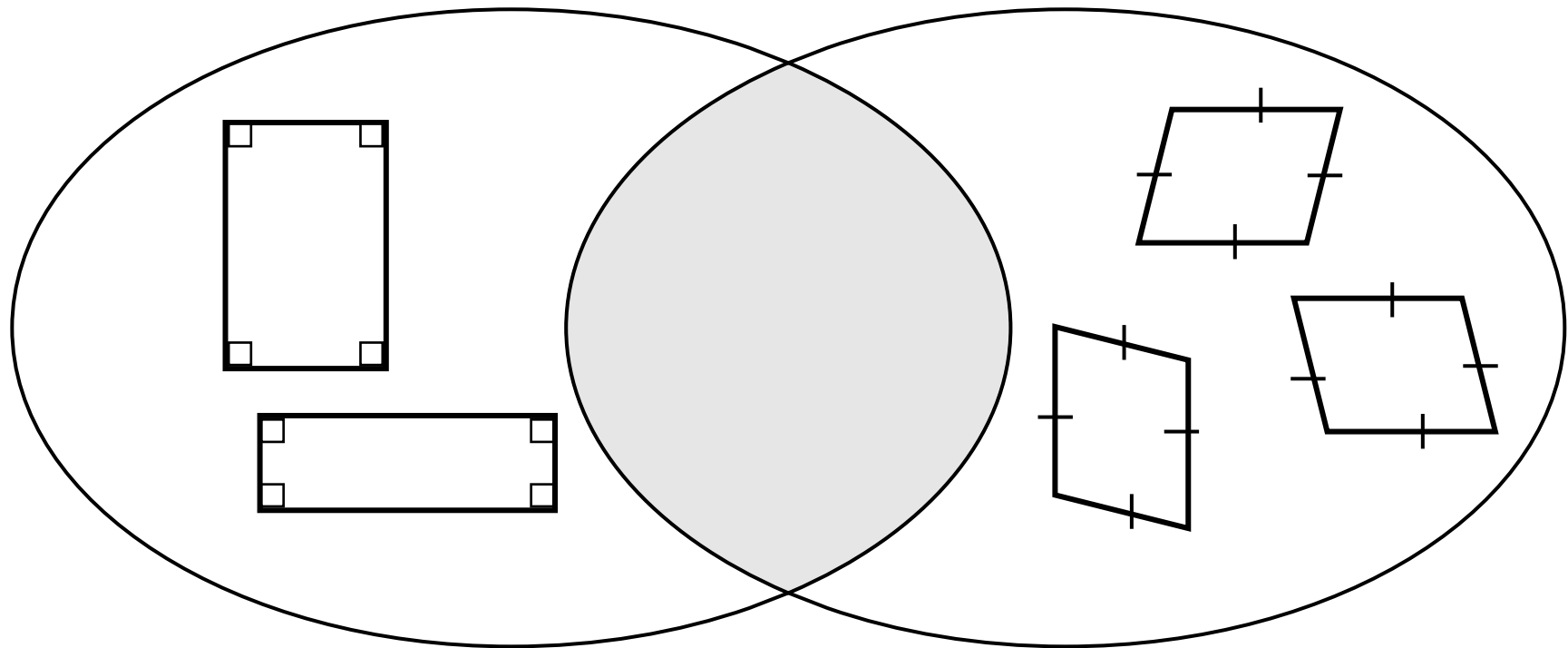
Which type of figure will always belong in the shaded section of this Venn diagram?
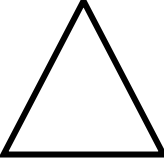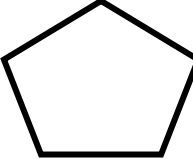
A. Rectangle

B. Rhombus

C. Square

D. Trapezoid

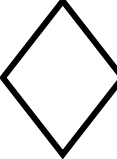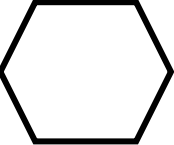5.5.A – classify 2D – wrong is right

26. In the diagram shown, each circle represents a group of polygons. If a polygon belongs in a circle, it also belongs in any larger circle.
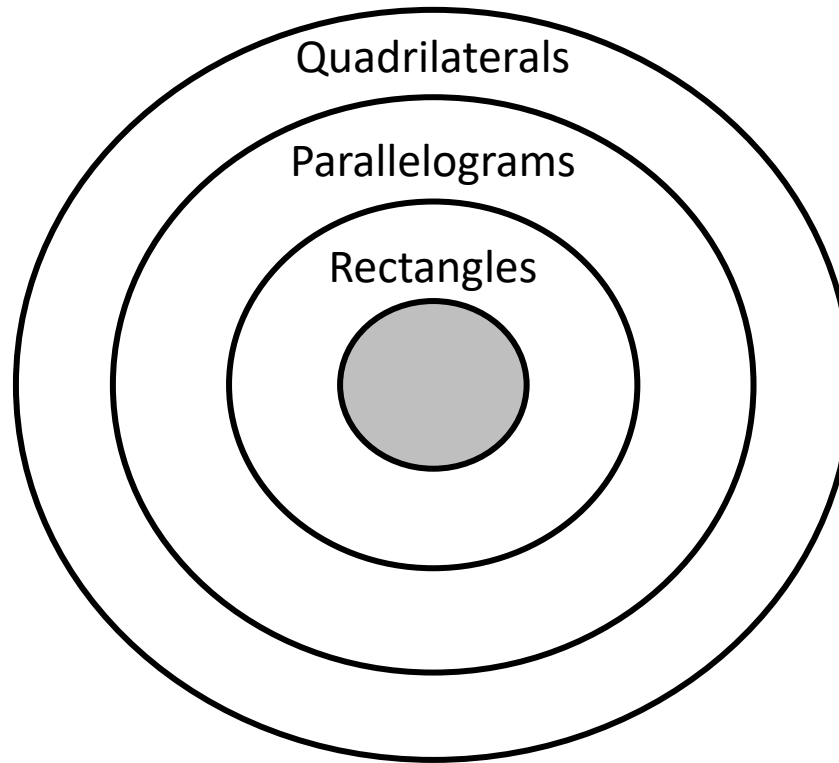
Which kind of polygons belong in the shaded circle?

A. Trapezoids

B. Squares

C. Pentagons

D. Rhombuses
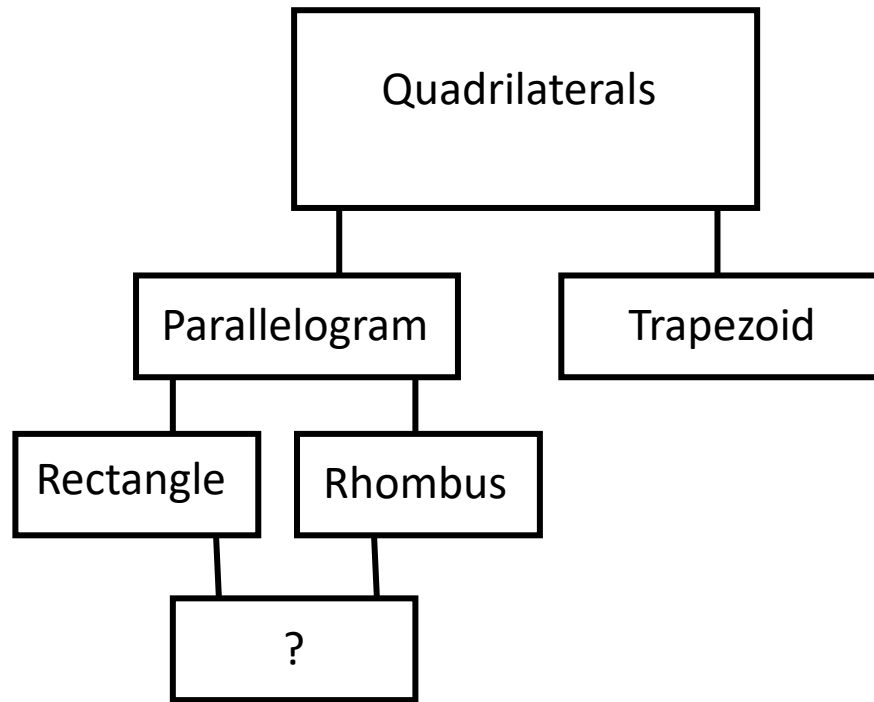
27. Rachel classified shapes based on the types of angles they had. The table shows her classifications.

Right Angles Only	Acute Angles Only	Obtuse Angles Only	Both Acute and Obtuse Angles
Shape 1	Shape 3	Shape 5	Shape 7
Shape 2	Shape 4	Shape 6	Shape 8

Which shape was NOT classified correctly?
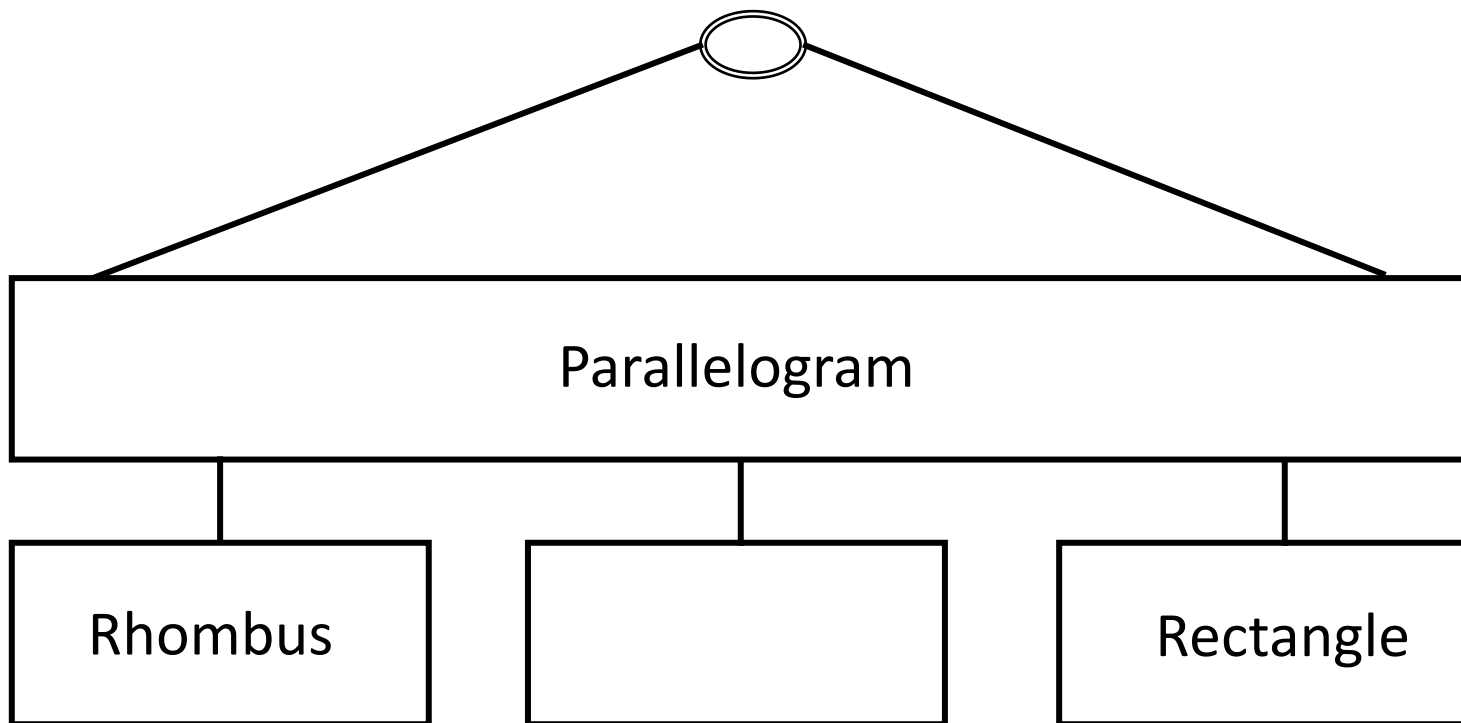
A. Shape 4

B. Shape 5

C. Shape 7

D. Shape 8

28. Alice is making a mobile that lists quadrilaterals.

```
                    ┌─────────────────┐
                    │  Quadrilaterals │
                    └─────────────────┘
                      │            │
          ┌──────────────────┐   ┌──────────────┐
          │  Parallelogram   │   │  Trapezoid   │
          └──────────────────┘   └──────────────┘
            │            │
   ┌──────────────┐ ┌──────────────┐
   │  Rectangle   │ │   Rhombus    │
   └──────────────┘ └──────────────┘
            │            │
          ┌──────────────────┐
          │        ?         │
          └──────────────────┘
```

What is the name of the subset of quadrilaterals missing from Alice's mobile?

A. Hexagon

B. Square

C. Polygon

D. Triangle

29. Natalie built the hanging mobile shown in the picture to show some relationships among shapes.

```
              ⬭
           /     \
          /       \
   ┌─────────────────────────────┐
   │        Parallelogram        │
   └─────────────────────────────┘
      │           │          │
  ┌───────┐  ┌────────┐  ┌──────────┐
  │Rhombus│  │        │  │Rectangle │
  └───────┘  └────────┘  └──────────┘
```

Which shape goes in the empty box to complete Natalie's mobile?

A. Square

B. Quadrilateral

C. Trapezoid

D. Triangle

5.5.A – classify 2D – wrong is right

30. In which table are the check marks placed in all the correct boxes?

A.

	Quadrilateral	Parallelogram	Polygon
⬠			✓
⏢	✓	✓	✓
▢	✓	✓	✓

B.
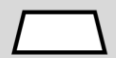
	Quadrilateral	Parallelogram	Polygon
⬠			✓
⏢	✓		
▢	✓	✓	

C.

	Quadrilateral	Parallelogram	Polygon
⬠			✓
⏢		✓	✓
▢	✓	✓	✓

D.

	Quadrilateral	Parallelogram	Polygon
⬠			✓
⏢	✓		✓
▢	✓	✓	✓