

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

Teacher/Period: \_\_\_\_\_ Final Grade: \_\_\_\_\_ / 100

## Shapes and Attributes

Question 1 (Multiple Choice)

\_\_\_\_\_ / 10

What are defining attributes of a shape?

- A. They are all pointy.
- B. Its characteristics, such as the number of sides or corners.
- C. They are purple.

Question 2 (Multiple Choice)

\_\_\_\_\_ / 10

What are non-defining attributes of a shape?

- A. Characteristics that do not define the shape's category, like color, orientation, or overall size.
- B. They are circles.
- C. They are rectangles.

Question 3 (Multiple Choice)

\_\_\_\_\_ / 10

What are defining attributes of a square?

- A. A square has four equal sides and four right angles.
- B. A square has three sides.
- C. A square is big.

Question 4 (Multiple Choice)

\_\_\_\_\_ / 10

Is overall size a defining attribute of a triangle?

- A. No
- B. Yes

Question 5 (Multiple Choice)

\_\_\_\_\_ / 10

Is color a defining attribute of a circle?

- A. No
- B. Yes

Question 6 (Multiple Choice)

\_\_\_\_\_ / 10

Is having three sides a defining attribute of a triangle?

- A. Yes
- B. No

Question 7 (Multiple Choice)

\_\_\_\_\_ / 10

What are defining attributes of a rectangle?

- A. A rectangle has four sides and four right angles.
- B. A rectangle is round.

Question 8 (Multiple Choice)

\_\_\_\_\_ / 10

Is orientation a defining attribute of an octagon?

- A. No
- B. Yes

Question 9 (Multiple Answer)

\_\_\_\_\_ / 10

What are some non-defining attributes of shapes?

- A. Square
- B. Orientation
- C. Circle
- D. Size
- E. Color

Question 10 (Multiple Choice)

\_\_\_\_\_ / 10

Can a shape's defining attributes change because of its color or size?

- A. No
- B. Yes

# Answer Key for Shapes and Attributes

1: Its characteristics, such as the number of sides or corners.

2: Characteristics that do not define the shape's category, like color, orientation, or overall size.

3: A square has four equal sides and four right angles.

4: No

5: No

6: Yes

7: A rectangle has four sides and four right angles.

8: No

9: Color, Size, Orientation

10: No