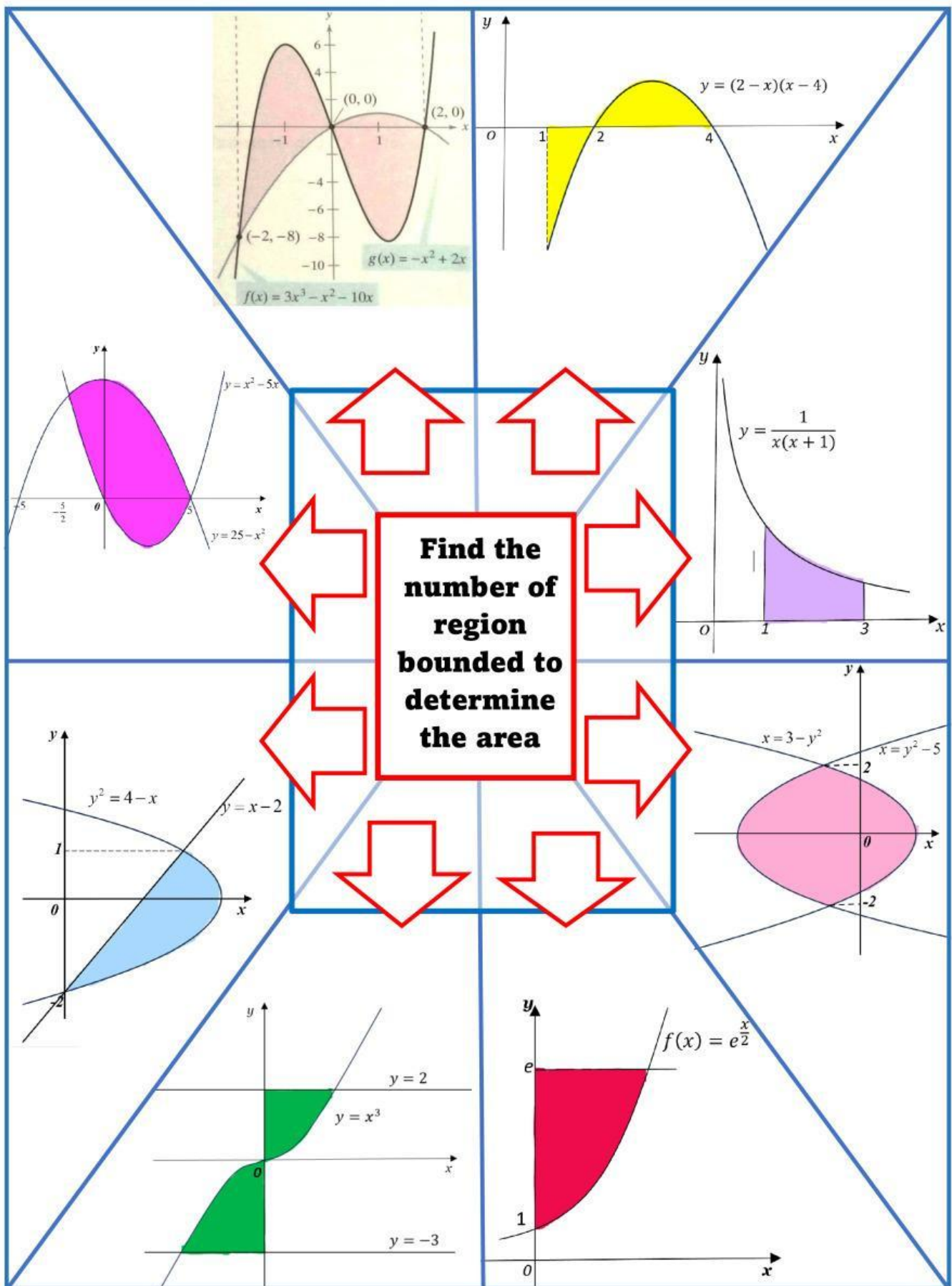
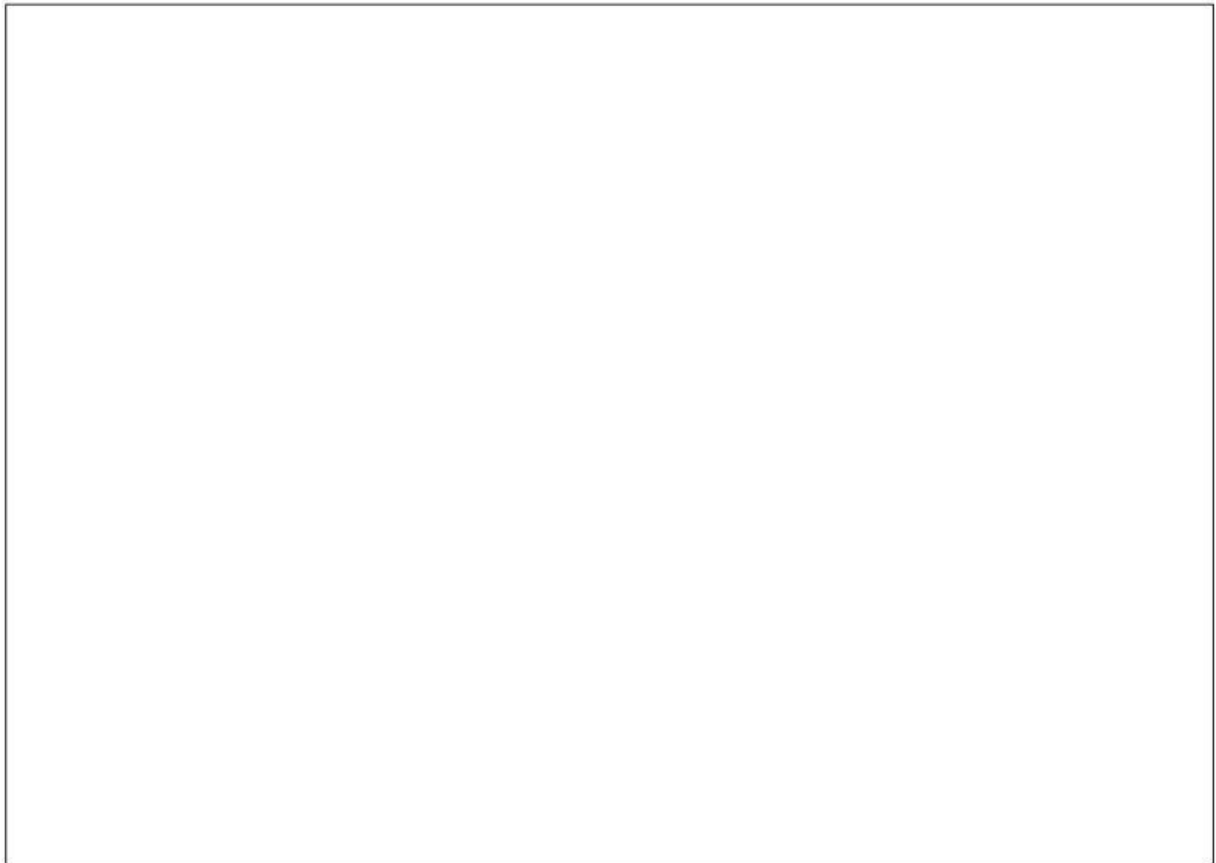






When choosing the correct integral (in terms of x or y), what should you consider?

- The color of the curve
- The length of the curve
- The orientation of the curve
- The thickness of the curve

When calculating the area under a curve attached to the y -axis, what does a positive area indicate?

- The area is above the x -axis
- The area is below the x -axis
- The area is on the right of the y -axis
- The area is on the left of the y -axis

When calculating the area under a curve attached to the x -axis, what does a negative area indicate?

- The area is below the x -axis
- The area is above the x -axis
- The area is on the right of the y -axis
- The area is on the left of the y -axis

In the context of finding the area under a curve, what does the modulus help to avoid?

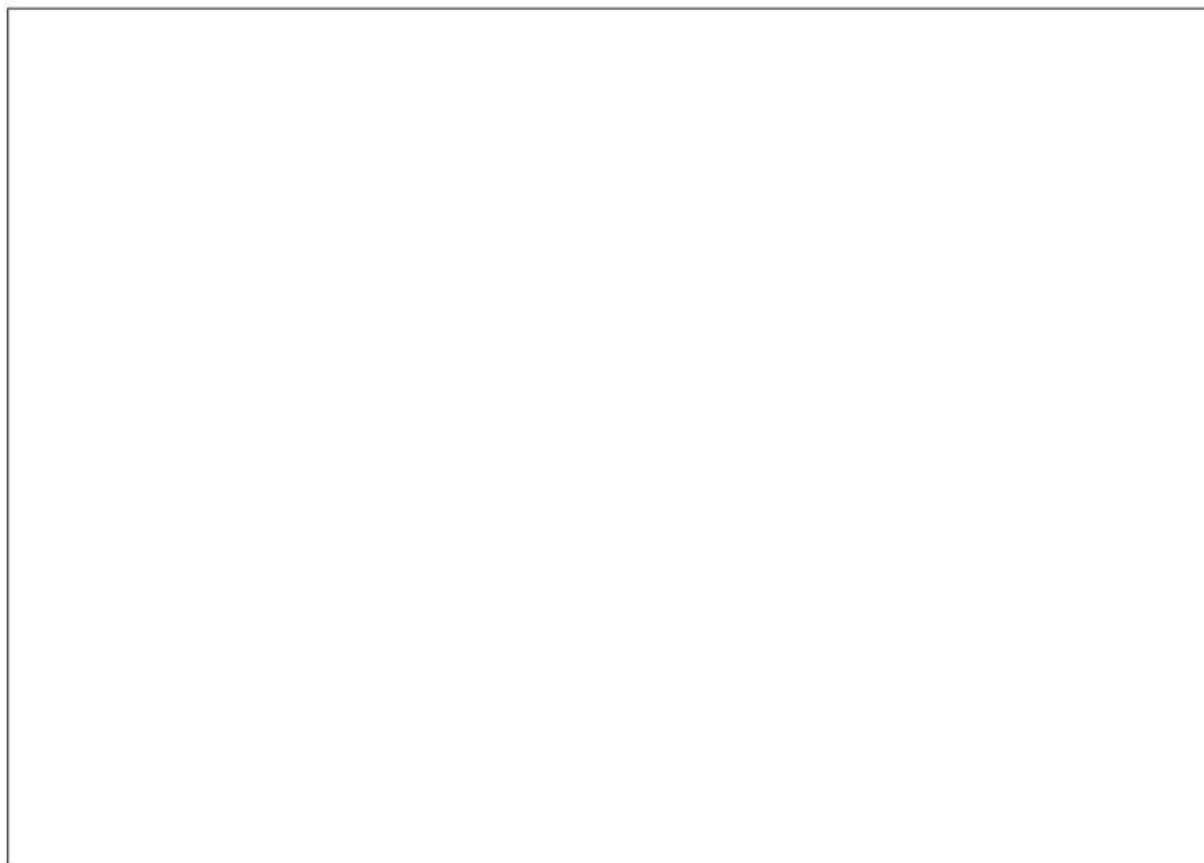
- Fractions
- Negative values
- Complex numbers
- Positive values

If the area under a curve is attached to the y -axis, what should be done to avoid negative values?

- Multiply by -1
- Use the modulus
- Divide by 2
- Take the square root

What is the formula used to find the area under a curve when the area is attached to the y -axis?

- Integral with respect to x
- Integral with respect to y
- Derivative with respect to x
- Derivative with respect to y



In the context of calculus, what does the term 'enclosed region' refer to?

- The area between two curves
- The intersection of two curves
- The limit of a sequence
- The derivative of a function

What is the relationship between the area enclosed by two curves and the definite integral?

- The integral represents the area
- The area is the limit of the integral
- The area is the derivative of the integral
- They are equivalent concepts

In the context of the text, which curve is above and which is below?

- Curve above is Y_1 , curve below is Y_2
- Curve above is Y_2 , curve below is Y_1
- Both curves are above
- Both curves are below

When finding the area horizontally with respect to the Y axis, what formula is used?

- $Y_1 + Y_2$
- Y_1 / Y_2
- $Y_1 * Y_2$
- $Y_1 - Y_2$

Which mathematical operation is primarily used to calculate the area between two curves?

- Division
- Multiplication
- Subtraction
- Addition

What role does the concept of limits play in calculating the area between two curves?

- It defines the boundaries of the region
- It has no relevance to the calculation
- It determines the accuracy of the calculation
- It helps in finding the average value

Integrated with respect to x (dx) or Integrated with respect to y (dy)

