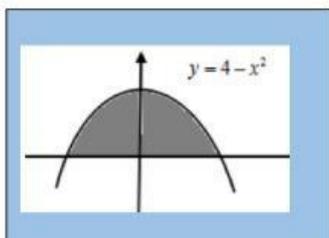
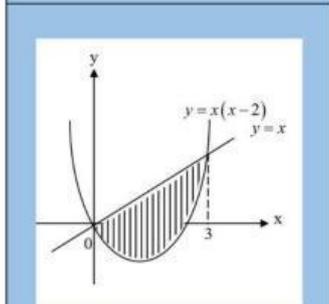
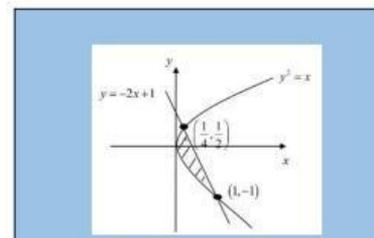


Match to classify region bounded below to the correct formulation of finding area.



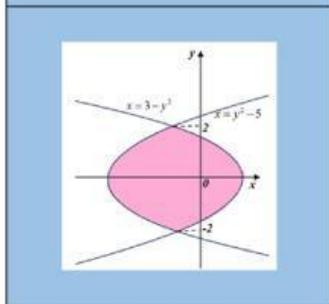
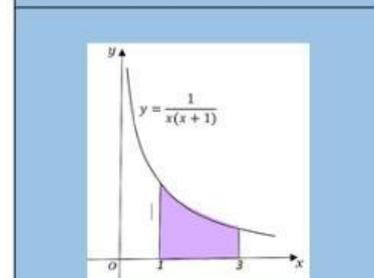
AREA UNDER A CURVE

$$\int_a^b f(x) dx$$



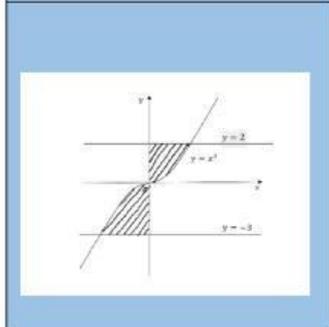
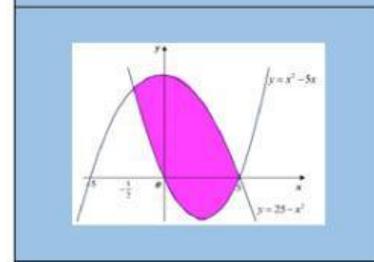
AREA BETWEEN 2 CURVES

$$A = \int_a^b [f(x) - g(x)] dx$$



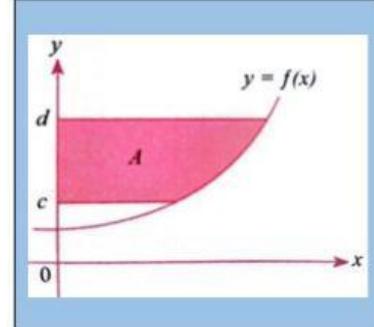
AREA UNDER A CURVE

$$\int_c^d g(y) dy$$

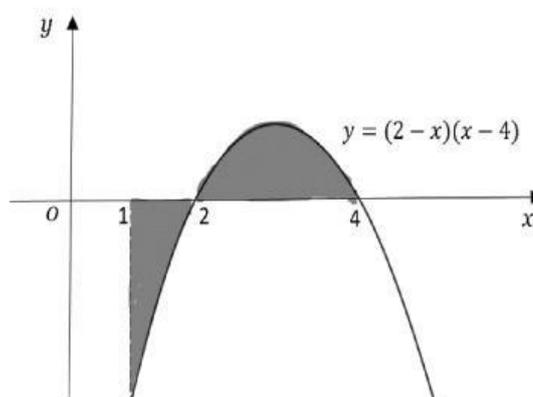
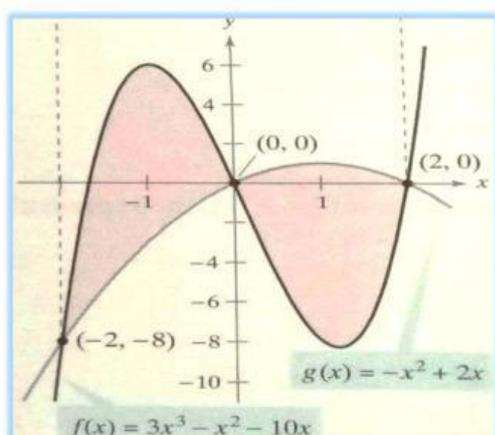
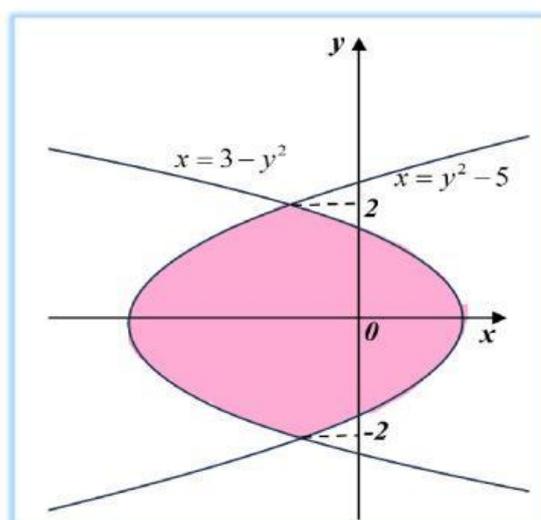
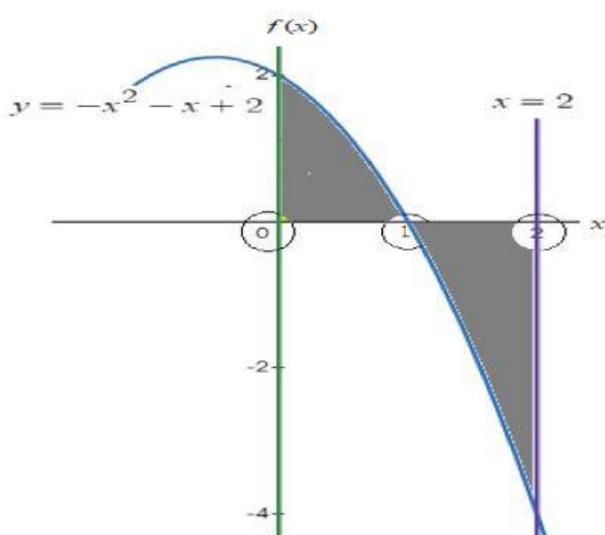
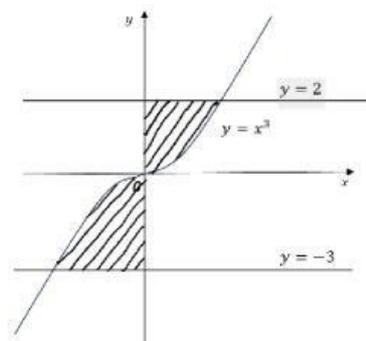
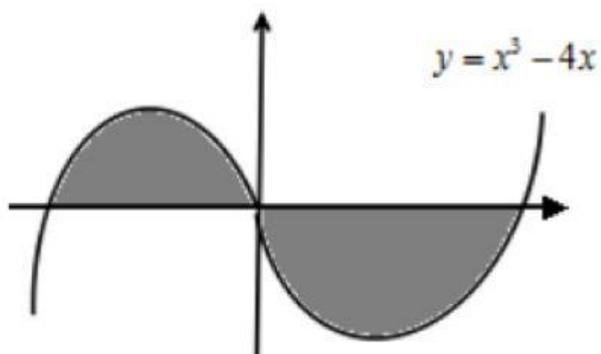


AREA BETWEEN 2 CURVES

$$A = \int_c^d [f(y) - g(y)] dy$$



Does the formulation of area bounded below involve modulus?



Select the true statement/s.

Negative result when finding the area below the x-axis indicates the area is zero.

Boundaries of the integral can be found by identifying intercepts and points of intersection of the curves involved.

Negative integral result can be converted to be positive by taking absolute value of it.

When multiple areas to consider between a curve and the x-axis, combine all areas into one integral.

Calculation of area between 2 curves involve integral of $f(x)+g(x)$

.

Area of the region on the left-hand side of the y-axis is negative.