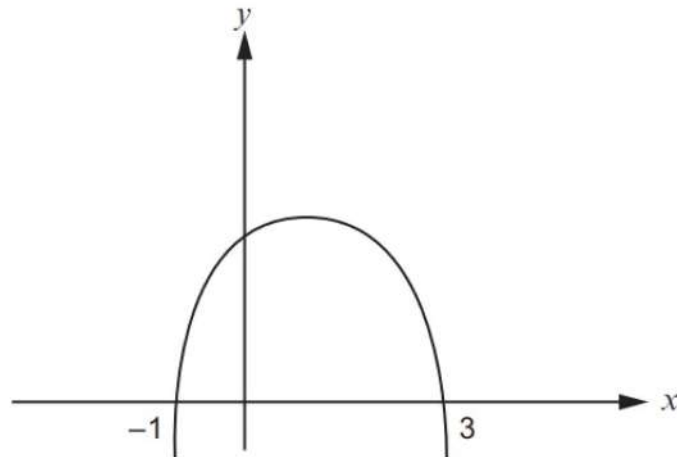


WJEC June 2018 Q16

The diagram shows a sketch of $y = -x^2 + 2x + 3$.

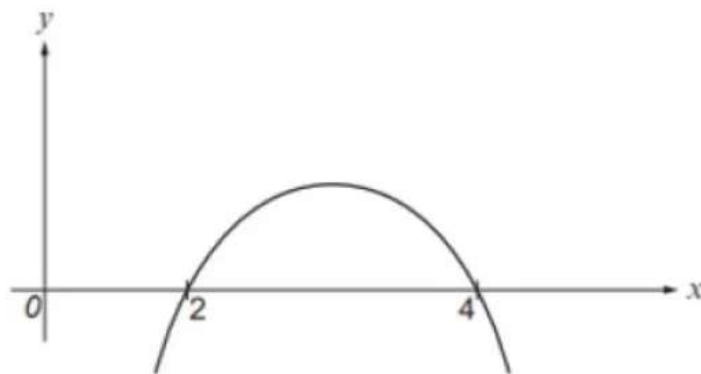


Showing all your working, calculate the area of the region bounded by the curve $y = -x^2 + 2x + 3$ and the x -axis.

[5]

WJEC June 2016 Q15

Millie has sketched the curve $y = -x^2 + 6x - 8$.



- (a) Millie states that the points $(2, 0)$ and $(4, 0)$ lie on the curve $y = -x^2 + 6x - 8$. Show that Millie is correct.

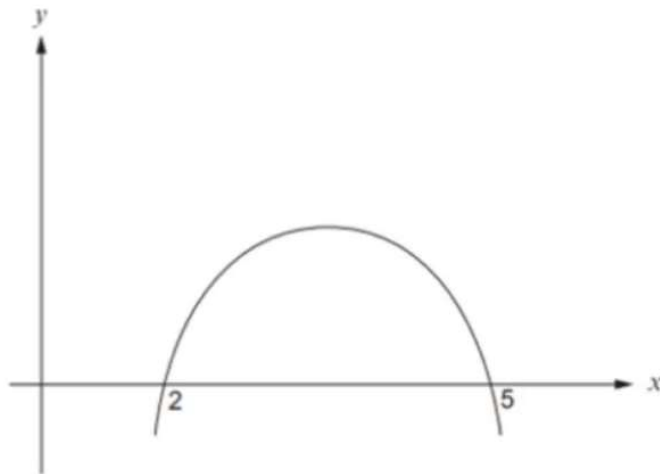
[2]

- (b) Calculate the area of the region bounded by the curve $y = -x^2 + 6x - 8$ and the x -axis. You must show all your working.

[5]

WJEC June 2014 Q15

Dan has sketched the curve $y = -x^2 + 7x - 10$.



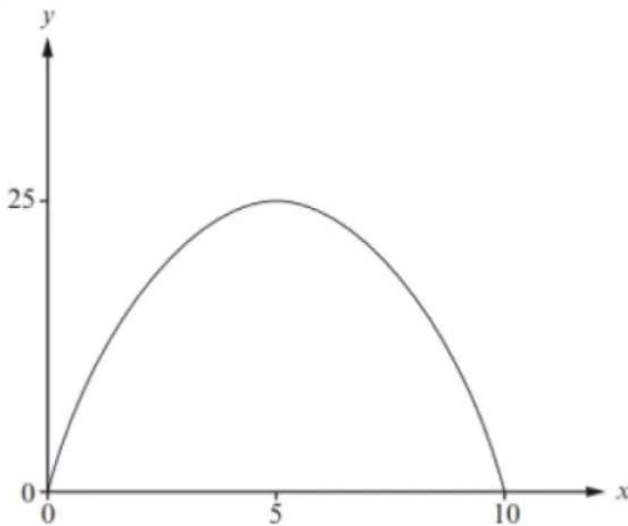
He has indicated two points on the curve, (2, 0) and (5, 0).

(a) Show that these points lie on this curve. [2]

(b) Showing all your working, calculate the area of the region bounded by the curve $y = -x^2 + 7x - 10$ and the x -axis. [5]

WJEC June 2013 Q11

The diagram shows the curve $y = 10x - x^2$.



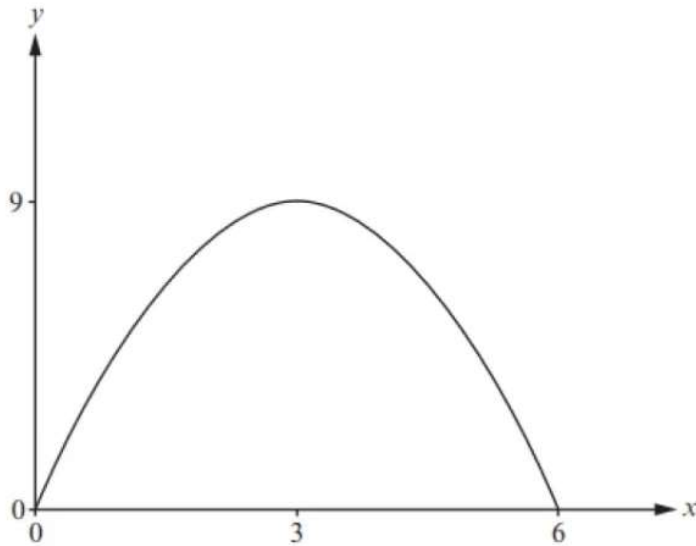
Showing all your working, calculate the area of the region bounded by the curve $y = 10x - x^2$ and the x -axis.

.....
.....

[5]

WJEC June 2012 Q12

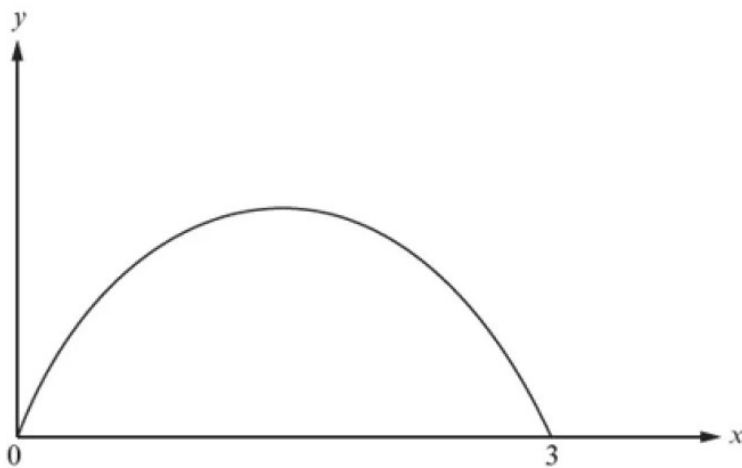
The diagram shows the curve $y = 6x - x^2$.



Showing all your working, calculate the area of the region bounded by the curve $y = 6x - x^2$ and the x -axis.

WJEC June 2011 Q12

The diagram shows a sketch of the curve $y = 3x - x^2$.



Calculate the area of the region bounded by the curve $y = 3x - x^2$ and the x -axis.

[5]