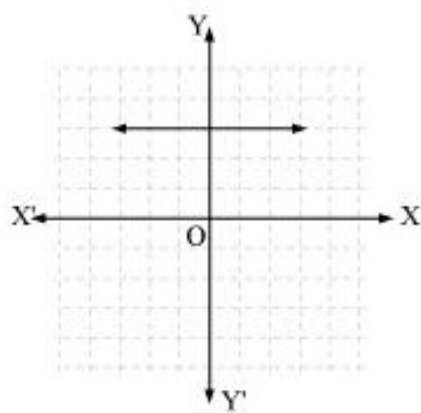




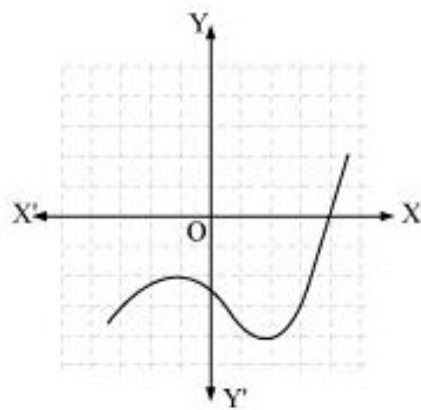
NCERT Solutions For Class 10th Maths Polynomials Exercise-2.1

Q 1. The graphs of $y = p(x)$ are given in following figure, for some polynomials $p(x)$. Find the number of zeroes of $p(x)$, in each case.

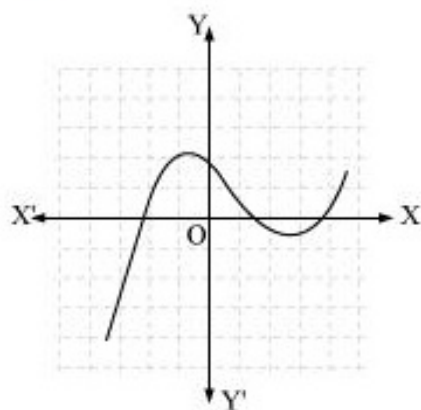
(i)



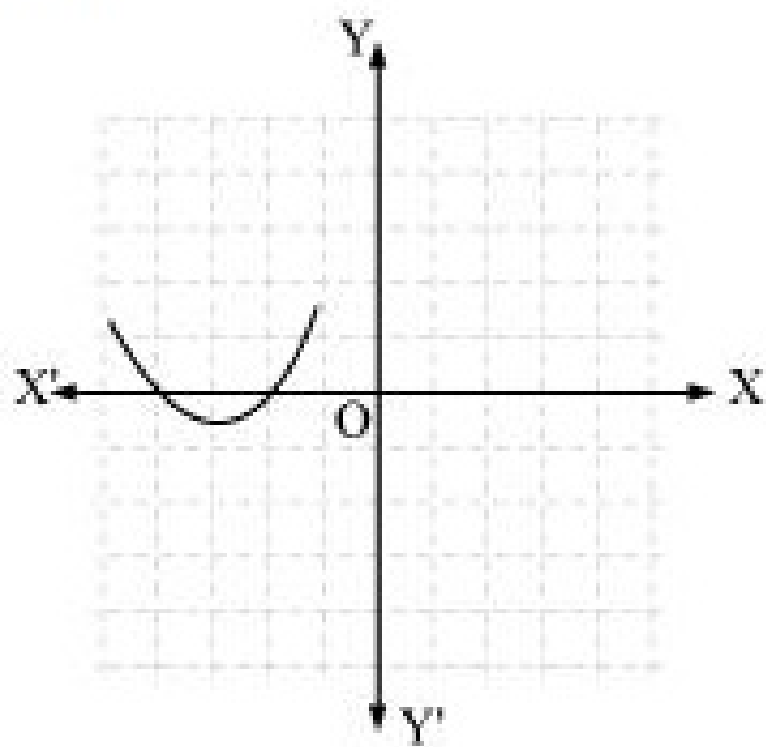
(ii)



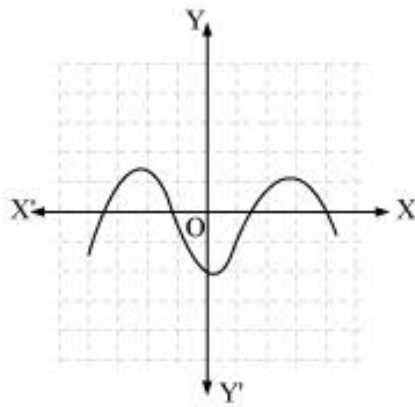
(iii)



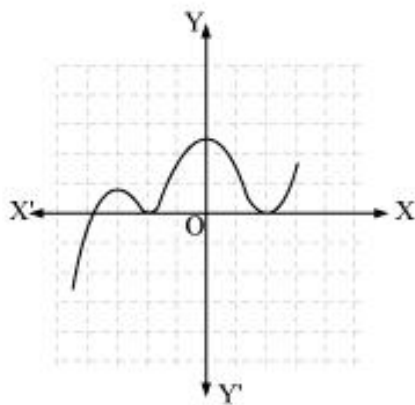
(iv)



(v)



(v)



Answer :

(i) The number of zeroes is 0 as the graph does not cut the x -axis at any point.

(ii) The number of zeroes is 1 as the graph intersects the x -axis at only 1 point.

(iii) The number of zeroes is 3 as the graph intersects the x -axis at 3 points.

(iv) The number of zeroes is 2 as the graph intersects the x -axis at 2 points.

(v) The number of zeroes is 4 as the graph intersects the x -axis at 4 points.

(vi) The number of zeroes is 3 as the graph intersects the x -axis at 3 points.]

***** END *****