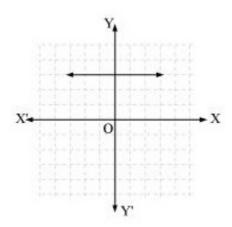


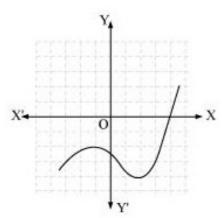
NCERT Solutions For Class 10th Maths Polynomials Exercise-2.1

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.

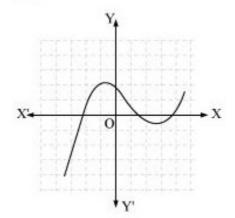
(i)



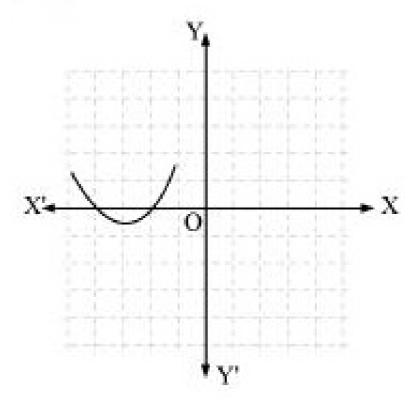
(ii)



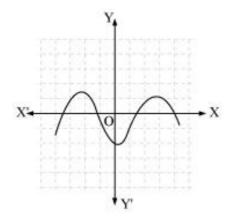
(iii)



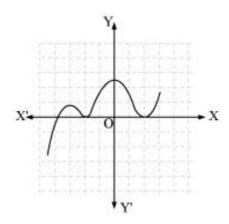
(iv)



(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.

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