CBSE Class–10 Mathematics
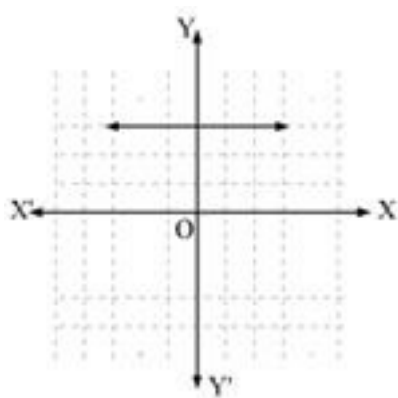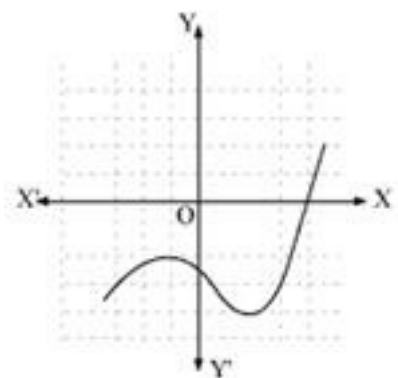
NCERT solution

Chapter - 2

Polynomials - Exercise 2.1

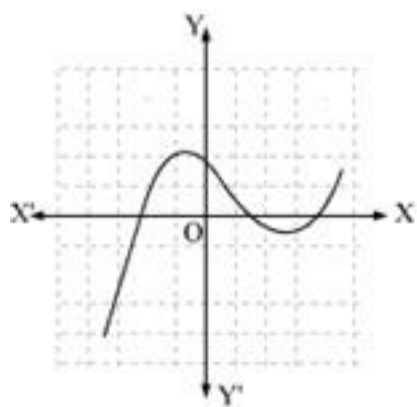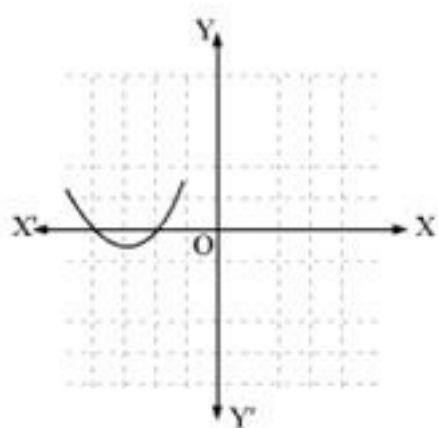**1. The graphs of y=p(x) are given to us, for some polynomials p(x). Find the number of zeroes of p(x), in each case.**
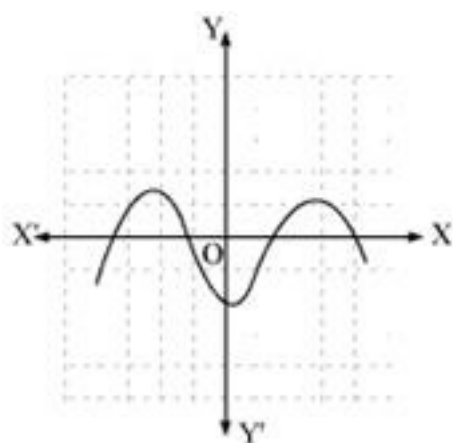
(i)

(ii)
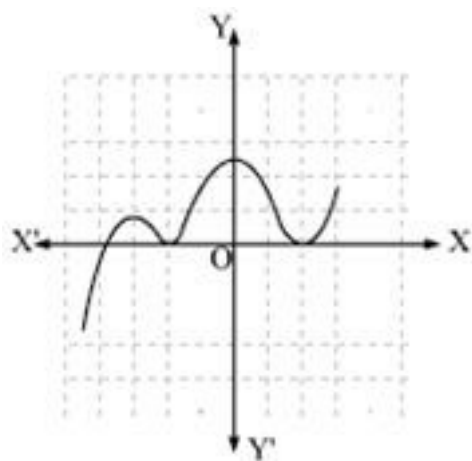

(iii)

(iv)

(v)

(vi)

Ans. (i) The given graph does not intersects x-axis at all. Hence, it does not have any zero.

(ii) Given graph intersects x-axis 1 time. It means this polynomial has 1 zero.

(iii) Given graph intersects x-axis 3 times. Therefore, it has 3 zeroes.

(iv) Given graph intersects x-axis 2 times. Therefore, it has 2 zeroes.

(v) Given graph intersects x-axis 4 times. It means it has 4 zeroes.

(vi) Given graph intersects x-axis 3 times. It means it has 3 zeroes.