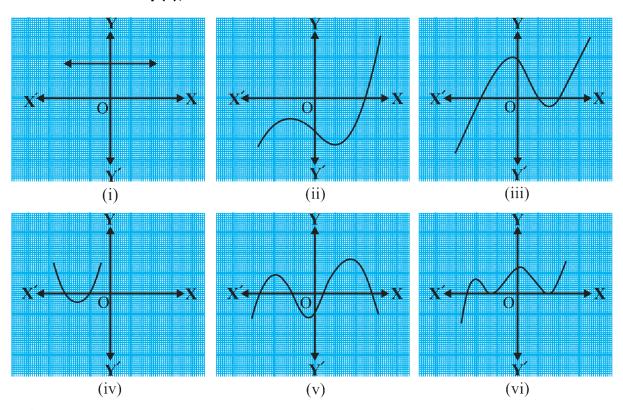
EXAMBUDDY

NCERT Solutions for Class 10 Chapter 2-Polynomials

EXERCISE 2.1

Question 1:

The graphs of y = p(x) are given in Fig. 2.10 below, for some polynomials p(x). Find the number of zeroes of p(x), in each case.



Solution:

- (i) The number of zeroes is 0 as the graph doesn't cut the x-axis at any point.
- (ii) The number of zeroes is 1 as the graph cuts the x-axis at only one point.
- (iii) The number of zeroes is 3 as the graph cuts the x-axis at 3 points.
- (iv) The number of zeroes is 2 as the graph cuts the x-axis at 2 points.
- (v) The number of zeroes is 4 as the graph cuts the x-axis at 4 points.
- (vi) The number of zeroes is 3 as the graph cuts the x-axis at 3 points.