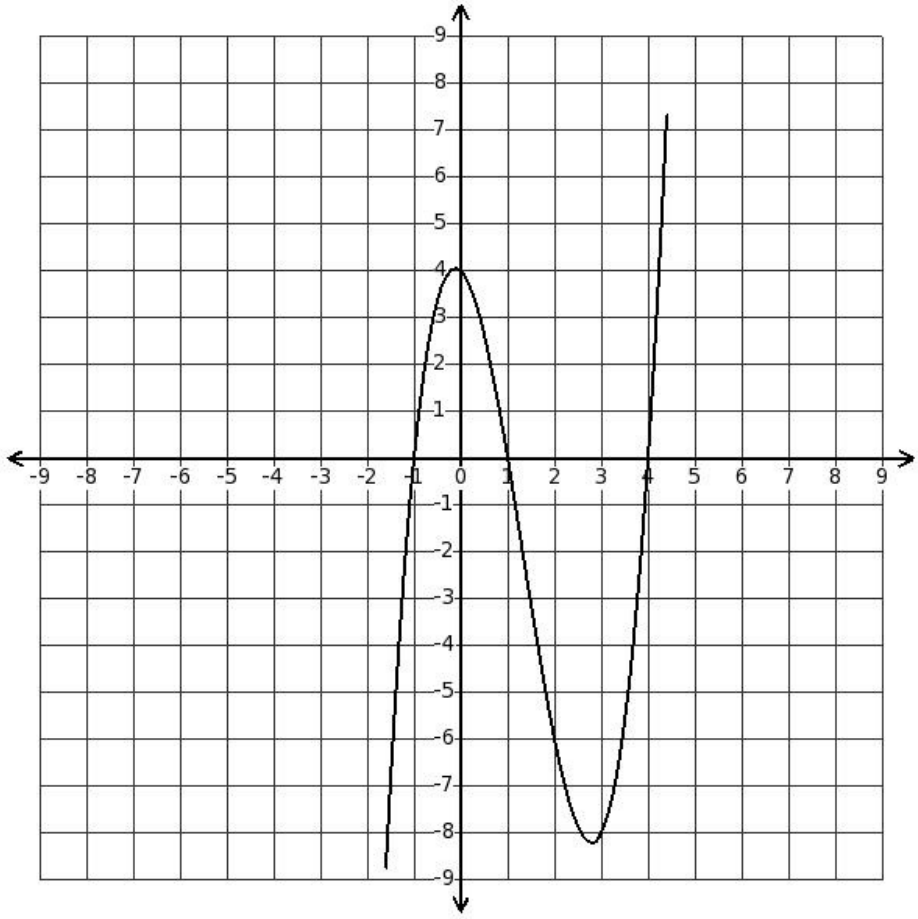
EduSahara™ Assignment

Name : Zeros of a Polynomial Using Graphs

Chapter : Polynomials

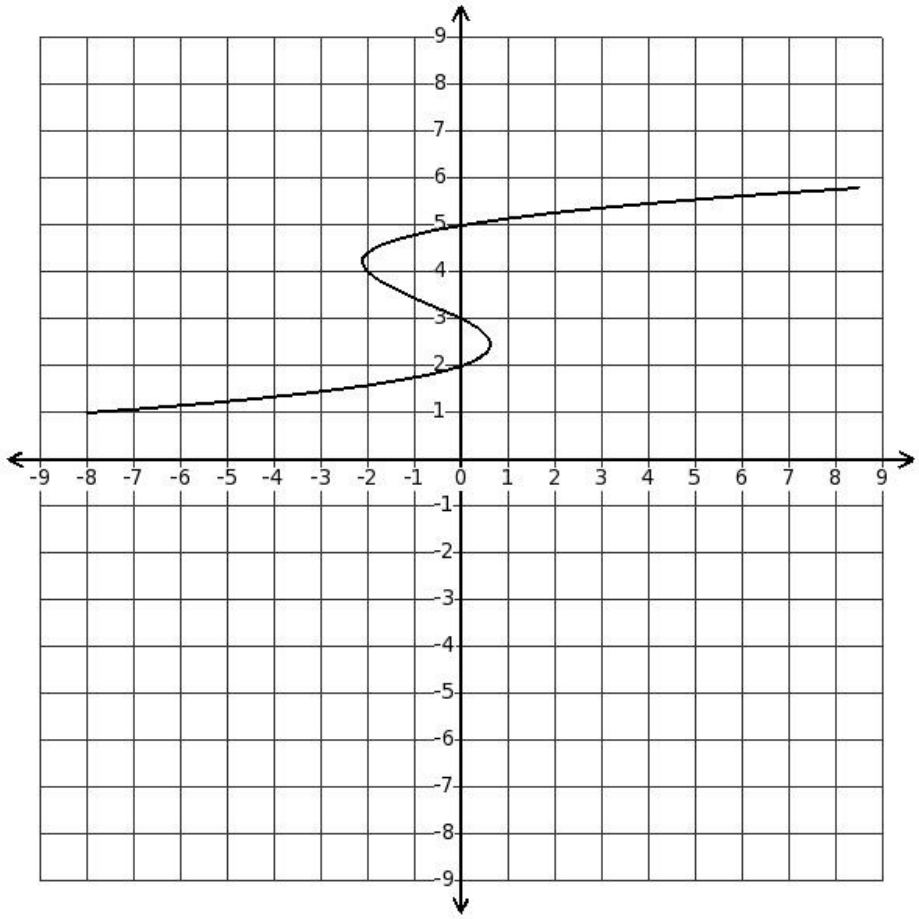
Grade : SSC Grade X

1. From the following graph of $y = p(x)$, find the roots of $p(x)$



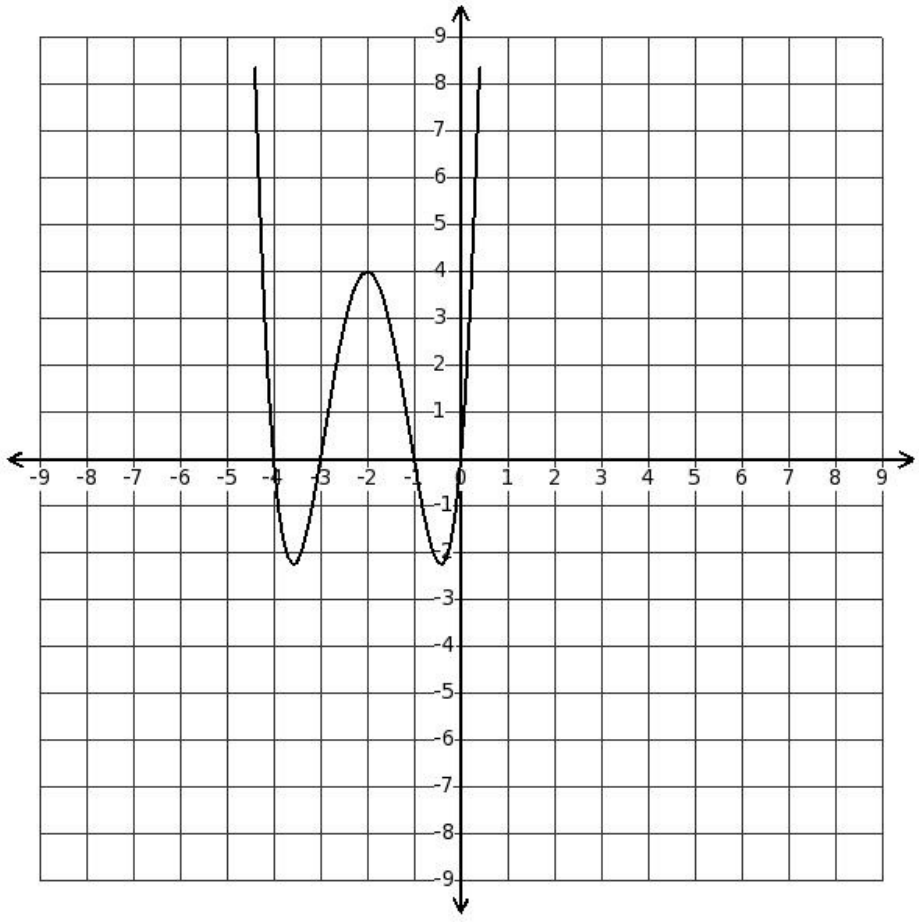
(i) -1, 7 and 5 (ii) 7, 1 and 4 (iii) -1, 1 and -7 (iv) -1, 1 and 4 (v) -1, 2 and 4

2. From the following graph of $x = p(y)$, find the roots of $p(y)$



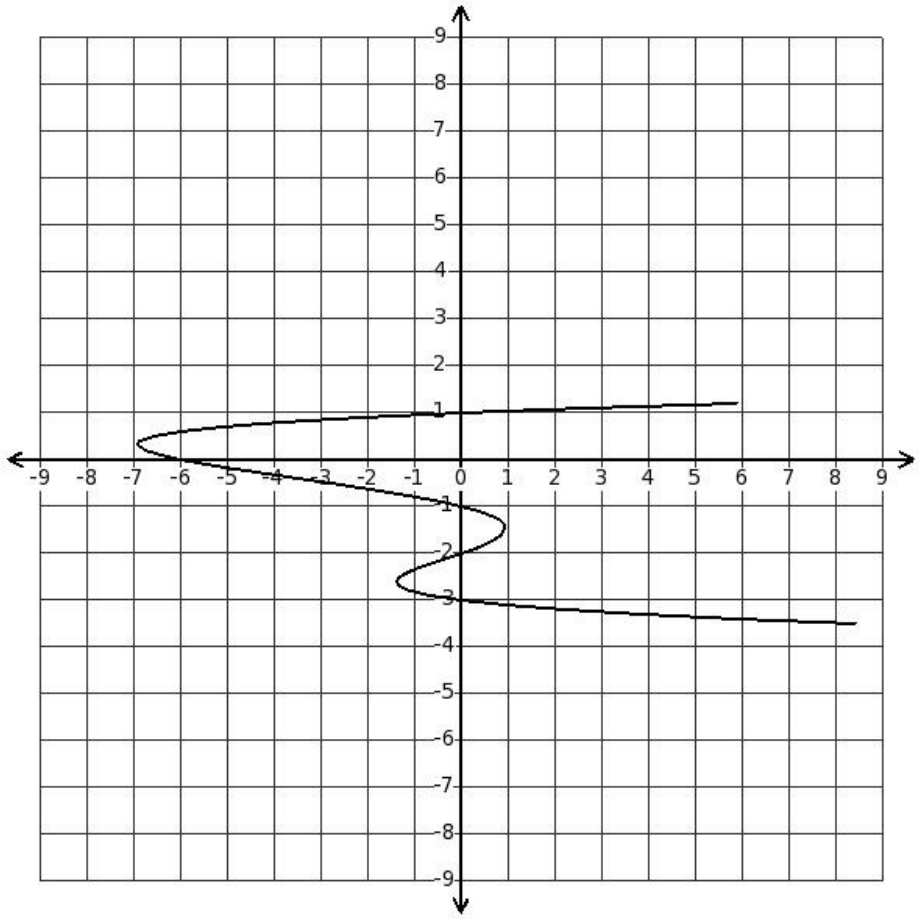
(i) 2, -8 and -2 (ii) 2, 3 and -4 (iii) -8, 3 and 5 (iv) 2, 7 and 5 (v) 2, 3 and 5

3. From the following graph of $y = p(x)$, find the roots of $p(x)$



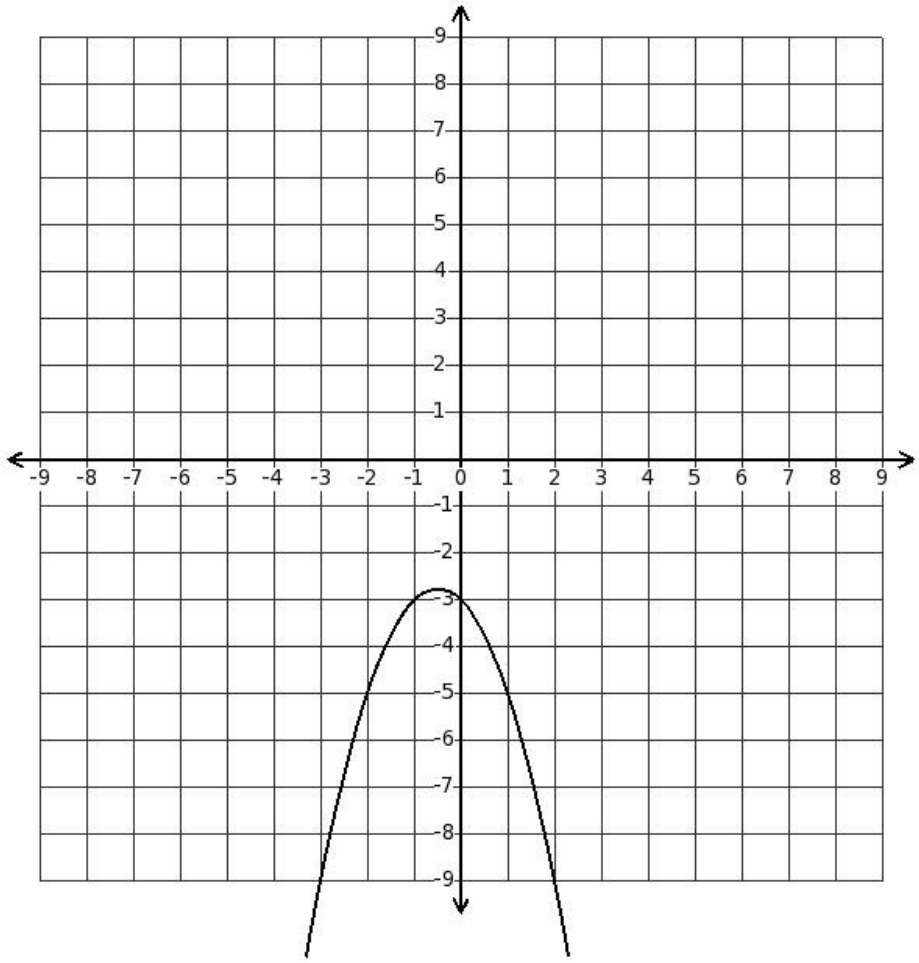
(i) -4, -3, -1 and 2 (ii) -4, -3, -1 and 0 (iii) 1, -3, -1 and 0 (iv) -4, -3, -2 and 0 (v) -4, 6, -1 and 0

4. From the following graph of $x = p(y)$, find the roots of $p(y)$



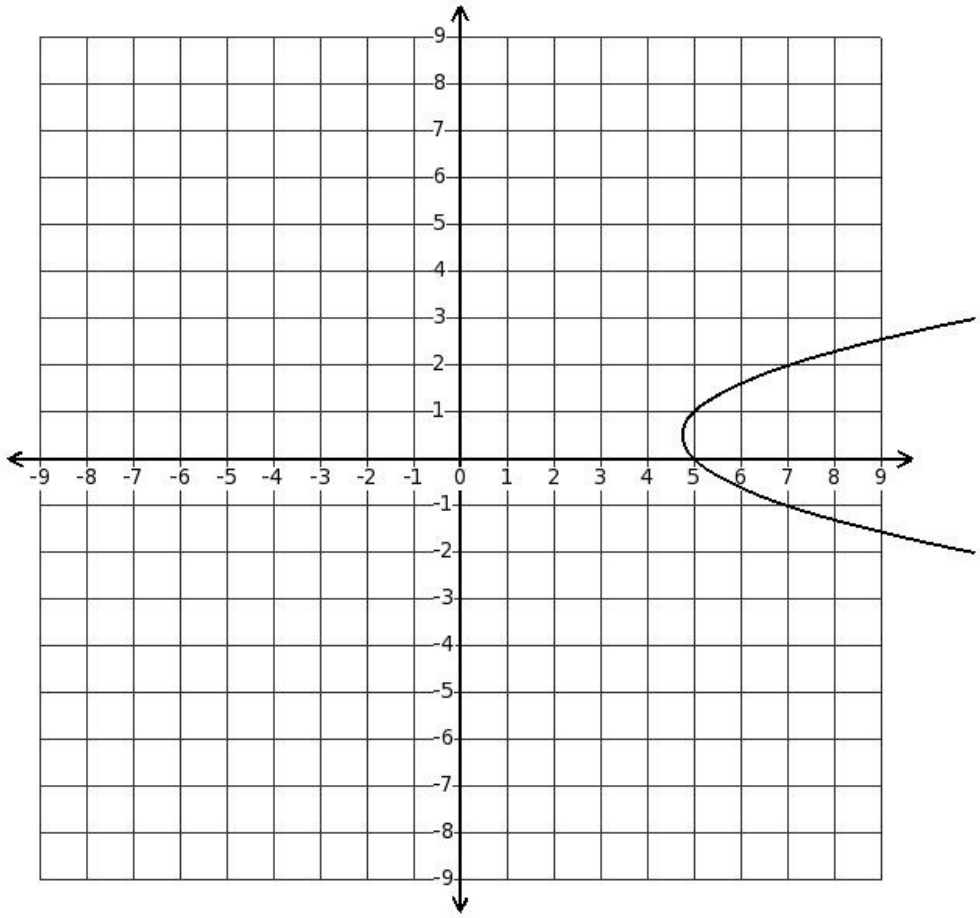
(i) -3, -2, -6 and 1 (ii) -3, -2, -1 and -8 (iii) -3, -2, -1 and 1 (iv) 6, -2, -1 and 1 (v) -3, 5, -1 and 1

5. From the following graph of $y = p(x)$, find the number of zeroes of $p(x)$



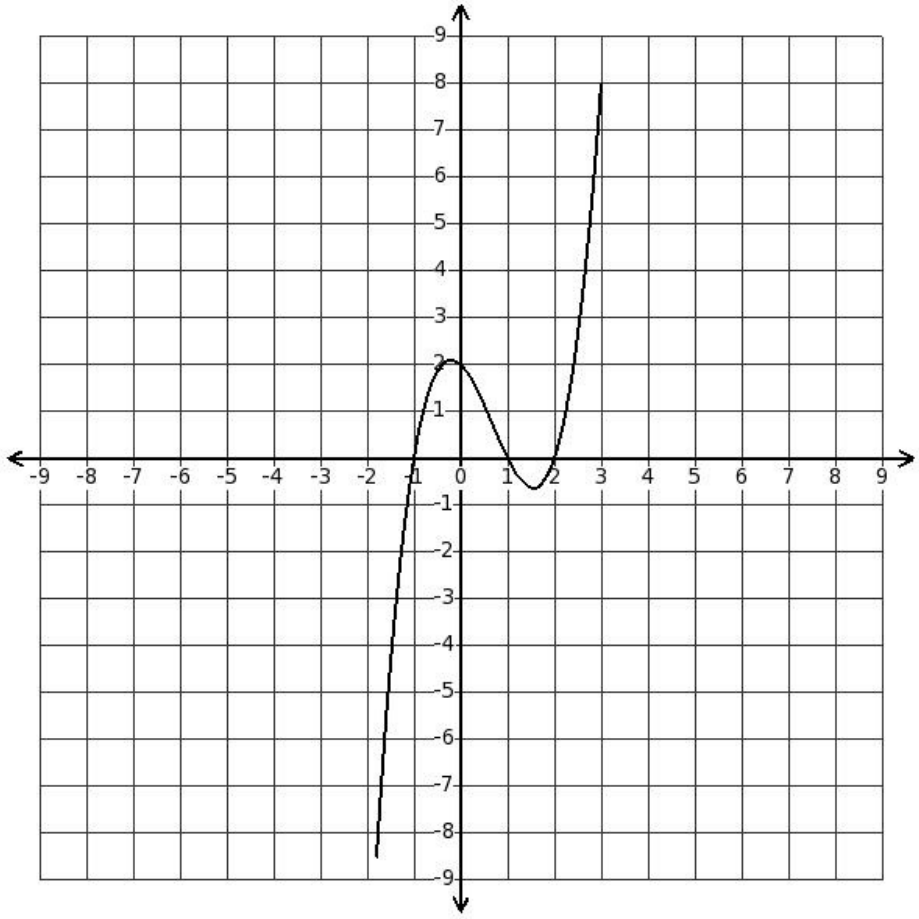
(i) (-2) (ii) 0 (iii) 1 (iv) (-1) (v) 3

6. From the following graph of $x = p(y)$, find the number of zeroes of $p(y)$



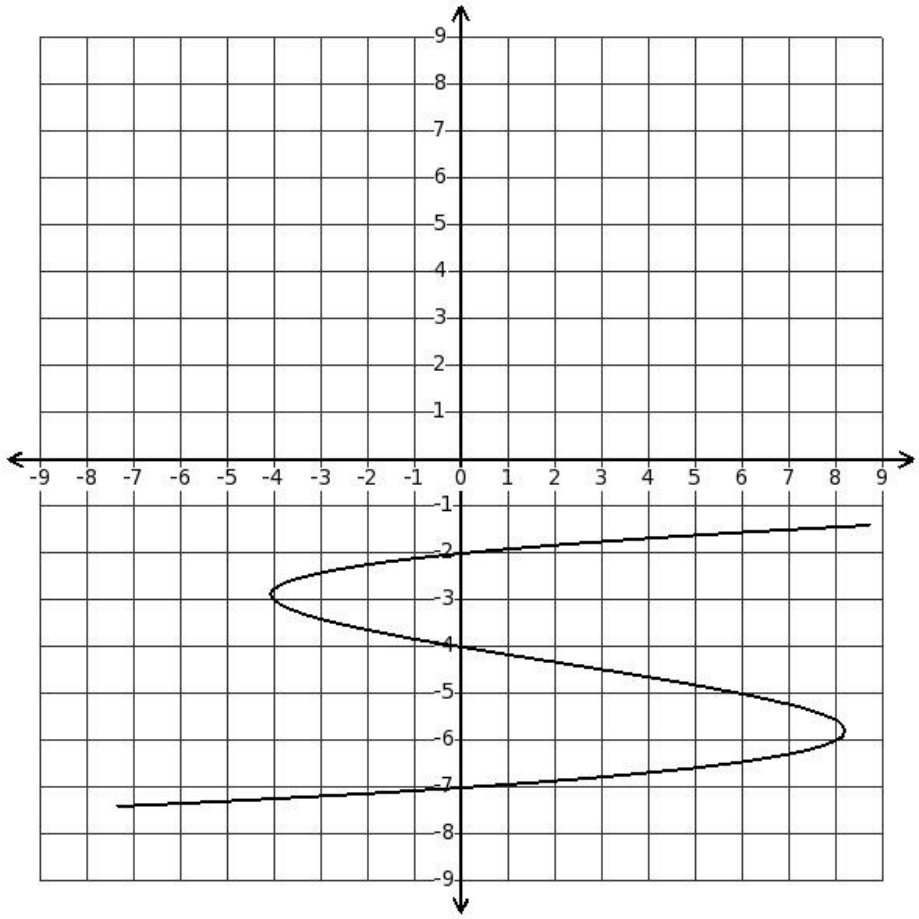
(i) 0 (ii) (-1) (iii) (-3) (iv) 2 (v) 1

7. From the following graph of $y = p(x)$, find the roots of $p(x)$



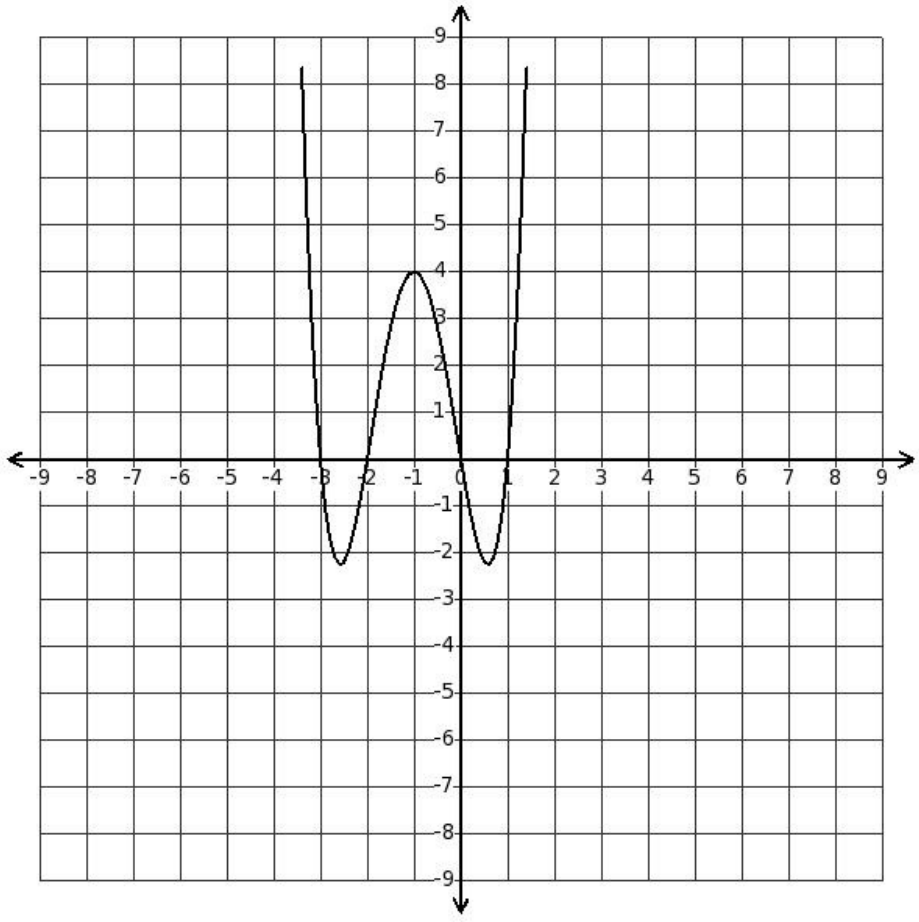
(i) -1, 1 and 2 (ii) -1, 0 and 2 (iii) -1, -2 and -5 (iv) -2, 1 and 2 (v) -1, 1 and -7

8. From the following graph of $x = p(y)$, find the roots of $p(y)$



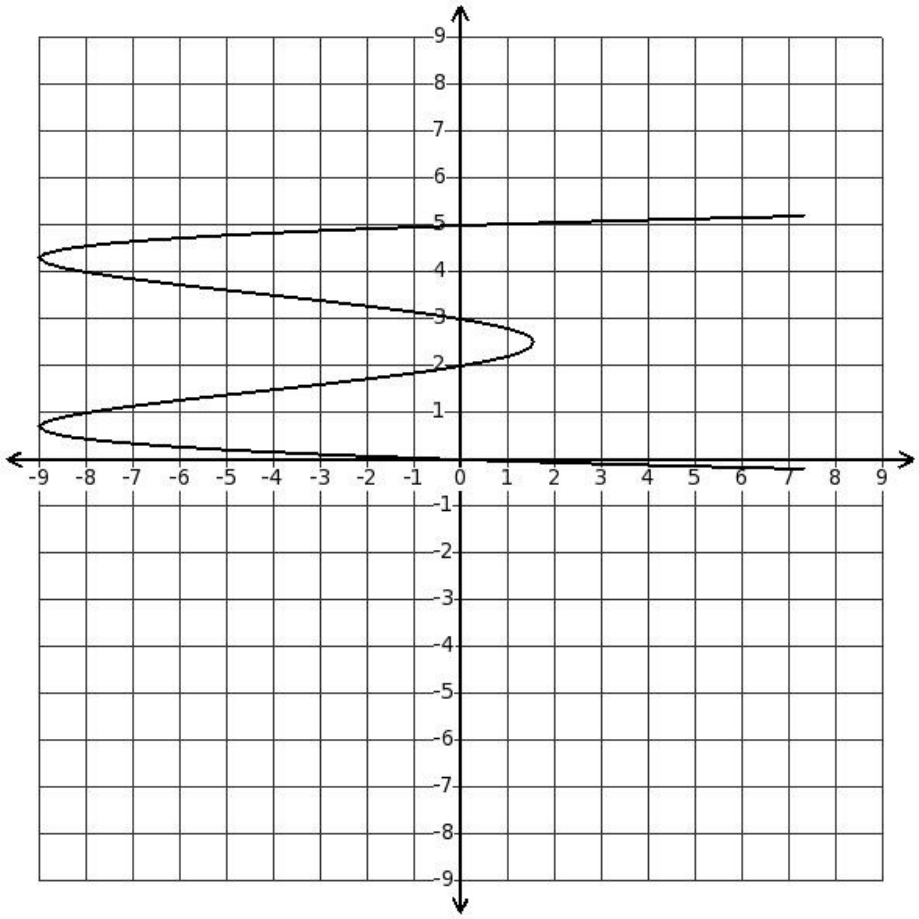
(i) -7, -5 and -8 (ii) -7, -4 and 0 (iii) -7, -4 and -2 (iv) -5, -4 and -2 (v) -7, 6 and -2

9. From the following graph of $y = p(x)$, find the roots of $p(x)$



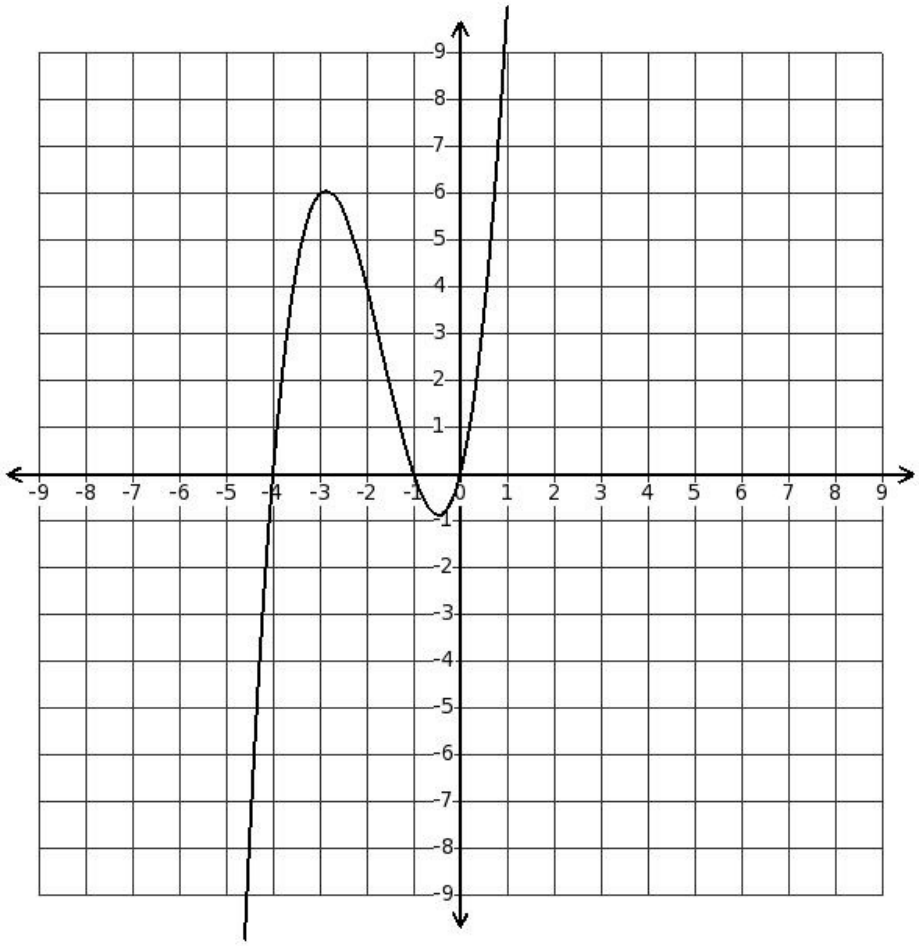
(i) -3, -2, 0 and 1 (ii) -1, -2, 0 and 1 (iii) -3, 2, 0 and 1 (iv) -3, -2, 0 and 5 (v) -3, -2, -5 and 1

10. From the following graph of $x = p(y)$, find the roots of $p(y)$



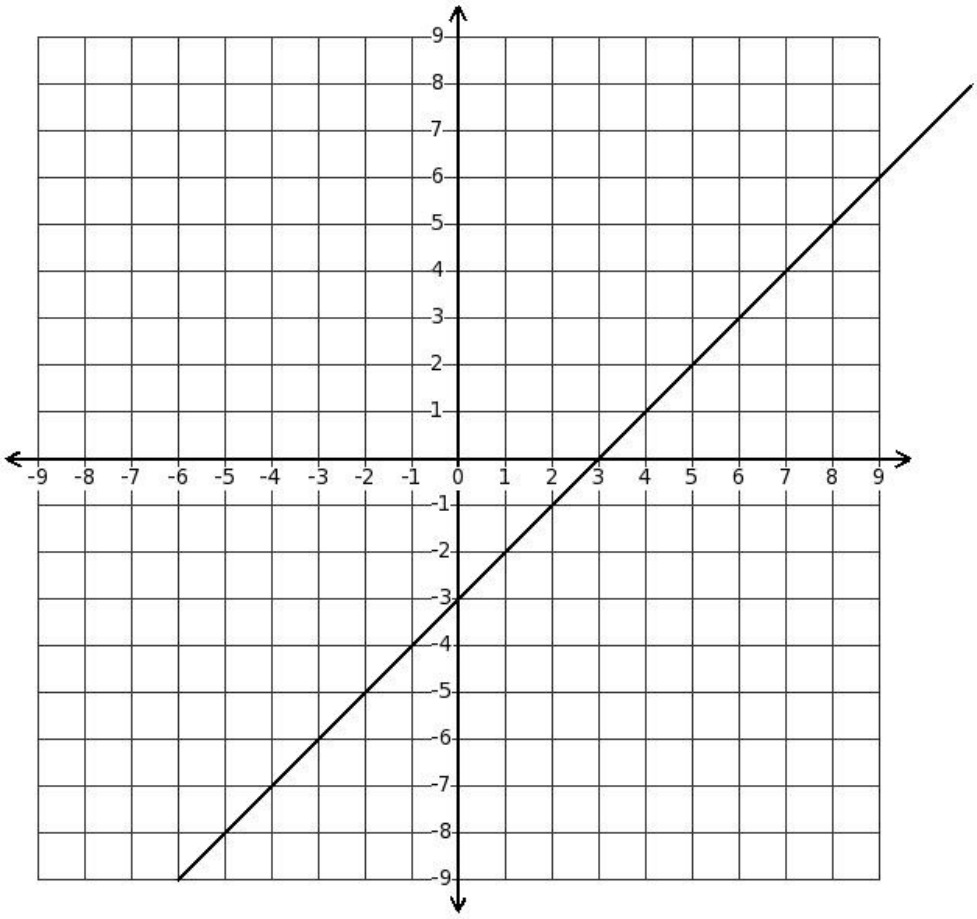
(i) 0, 2, -7 and 5 (ii) 0, -6, 3 and 5 (iii) 0, 2, 3 and -2 (iv) 0, 2, 3 and 5 (v) -4, 2, 3 and 5

11. From the following graph of $y = p(x)$, find the number of zeroes of $p(x)$



(i) 5 (ii) 2 (iii) 4 (iv) 1 (v) 3

12. From the following graph of $x = p(y)$, find the number of zeroes of $p(y)$



(i) (-1) (ii) 0 (iii) 1 (iv) 4 (v) 2

Assignment Key

1) (iv)	2) (v)	3) (ii)	4) (iii)	5) (ii)	6) (i)
7) (i)	8) (iii)	9) (i)	10) (iv)	11) (v)	12) (iii)