

REE ACAD



An English Medium Co.Ed. School | Science & Commerce

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Class - 10th

Worksheet-07

Chapter-3

Subject Maths Polynomials

Check whether the following are quadratic equations:

1.
$$(x + 1)^2 = 2(x - 3)$$

2.
$$x^2 - 2x = (-2)(3 - x)$$

3.
$$(x-2)(x+1) = (x-1)(x+3)$$

4.
$$(x-3)(2x+1) = x(x+5)$$

- 5. Find the roots of the quadratic equation $6x^2 x 2 = 0$.
- 6. Find the roots of the quadratic equation $3x^2 2\sqrt{6}x + 2 = 0$.
- 7. Find the roots of the quadratic equation $x^2 3x 10 = 0$
- 8. Find the roots of the quadratic equation $100 x^2 20x + 1 = 0$
- 9. Find two numbers whose sum is 27 and product is 182.
- 10. Find two consecutive positive integers, sum of whose squares is 365.