

# Class 10 Mathematics - Quadratic Equations

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Easy Worksheet 2

### Questions

1. Check whether  $(x + 1)^2 = 2(x - 3)$  is a quadratic equation.
2. Check whether  $x(x + 1) + 8 = (x + 2)(x - 2)$  is a quadratic equation.
3. Check whether  $x(2x + 3) = x^2 + 1$  is a quadratic equation.
4. What should be done before deciding whether an equation is quadratic?
5. Can an equation that looks cubic become quadratic after simplification?
6. Why must  $a \neq 0$  in a quadratic equation?

### Answer Key

1. Yes
2. No
3. Yes
4. Simplify the equation.
5. Yes
6. Otherwise the degree would not be 2.