

Class 10 Mathematics - Quadratic Equations

Name: _____

Date: _____

Easy Worksheet 4

Questions

1. What is a discriminant?
2. Write the discriminant of $ax^2 + bx + c = 0$.
3. If the discriminant is positive, how many distinct real roots exist?
4. If the discriminant is zero, how many real roots exist?
5. If the discriminant is negative, how many real roots exist?
6. What does the discriminant help us determine?

Answer Key

1. The expression $b^2 - 4ac$.
2. $b^2 - 4ac$
3. Two distinct real roots.
4. Two equal real roots.
5. No real roots.
6. The nature of the roots.