



Class 10 Mathematics – Quadratic Equations Worksheet (Advanced 1)

Name: _____

Date: _____

Q1. Find roots of $2x^2+x-300=0$.

Answer: Roots are 12 and $-25/2$.

Q2. Find dimensions of mango grove with area 800m^2 .

Answer: Breadth= 20m , Length= 40m .

Q3. Find present ages if sum is 20 and product 4 years ago was 48.

Answer: 12 years and 8 years.

Q4. Find roots of $3x^2-4x+1=0$.

Answer: Roots are 1 and $1/3$.

Q5. Find discriminant of $x^2-7x+10=0$.

Answer: Discriminant = 9.

Q6. State nature of roots of $x^2-7x+10=0$.

Answer: Distinct real roots.