



## Class 10 Mathematics – Quadratic Equations Worksheet (Advanced 4)

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

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

**Q1.** Find roots of  $2x^2-7x+3=0$ .

**Answer:** Roots are 3 and  $1/2$ .

**Q2.** Find discriminant of  $x^2+6x+10=0$ .

**Answer:** Discriminant =  $-4$ .

**Q3.** State nature of roots of  $x^2+6x+10=0$ .

**Answer:** No real roots.

**Q4.** Find roots of  $x^2-3x-28=0$ .

**Answer:** Roots are 7 and  $-4$ .

**Q5.** Find roots of  $3x^2-12x+12=0$ .

**Answer:** Roots are 2 and 2.

**Q6.** Find roots of  $x^2-15x+56=0$ .

**Answer:** Roots are 7 and 8.