



## Class 10 Mathematics – Quadratic Equations Worksheet (Medium 3)

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

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

**Q1.** A train covers 480km. Reduced speed increases time by 3 hours. Find speed.

**Answer:** 40 km/h.

**Q2.** Find dimensions of prayer hall of area 300m<sup>2</sup>.

**Answer:** Breadth=12m, Length=25m.

**Q3.** Find roots of  $x^2-6x+8=0$ .

**Answer:** Roots are 2 and 4.

**Q4.** Find roots of  $2x^2+7x+5=0$ .

**Answer:** Roots are  $-1$  and  $-5/2$ .

**Q5.** Find discriminant of  $x^2-4x+4=0$ .

**Answer:** Discriminant = 0.

**Q6.** State nature of roots of  $x^2-4x+4=0$ .

**Answer:** Equal roots.