



## Class 10 Mathematics – Quadratic Equations Worksheet (Medium 1)

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

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

**Q1.** Find roots of  $2x^2-5x+3=0$ .

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

**Q2.** Find roots of  $x^2-45x+324=0$ .

**Answer:** Roots are 9 and 36.

**Q3.** Find roots of  $x^2-55x+750=0$ .

**Answer:** Roots are 25 and 30.

**Q4.** Find two numbers whose sum is 27 and product is 182.

**Answer:** 13 and 14.

**Q5.** Find consecutive integers whose squares sum is 365.

**Answer:** 13 and 14.

**Q6.** Find dimensions of rectangle with area  $528m^2$ .

**Answer:** Breadth =16m, Length =33m.