



## Class 10 Mathematics – Quadratic Equations Worksheet (Easy 2)

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

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

**Q1.** Check whether  $x(x+1)+8=(x+2)(x-2)$  is quadratic.

**Answer:** No. It becomes  $x+12=0$ .

**Q2.** Find roots of  $x^2-5x+6=0$ .

**Answer:** Roots are 2 and 3.

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

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

**Q4.** Find discriminant of  $3x^2-2x+1/3=0$ .

**Answer:** Discriminant = 0.

**Q5.** State nature of roots when  $D<0$ .

**Answer:** No real roots.

**Q6.** Find roots of  $x^2-16=0$ .

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