

# ASSIGNMENT- Maths

## CHAPTER 04

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**1. Find the roots of the following quadratic equations by factorisation:**

(i)  $2x^2 + x - 6 = 0$

(ii)  $\sqrt{2}x^2 - 7x + 5\sqrt{2} = 0$

(iii)  $2x^2 - x + 1/8 = 0$

(v)  $100x^2 - 20x + 1 = 0$

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

**5. The altitude of a right triangle is 7 cm less than its base. If the hypotenuse is 13 cm, find the other two sides.**

**6. A cottage industry produces a certain number of pottery articles in a day. It was observed on a particular day that the cost of production of each article (in rupees) was 3 more than twice the number of articles produced on that day. If the total cost of production on that day was ₹90, find the number of articles produced and the cost of each article.**

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