Quadratic Equations : Worksheet -3

1. Find two numbers whose sum is 27 and product is 182.

2. Find two consecutive positive integers, sum of whose squares is 365.

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

4. 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.