**The City School**

**North Nazimabad Boys Branch**

**Grade 9**

**Mathematics**

**Date: 04-02-2017 Mohsin Zaki**

1. Find the roots: 
2. Solve for x: 
3. Solve for x: 
4. Solve for x: 
5. When the square of a certain number is diminished by 9 times the number the result is 36. Find the number.
6. A certain number added to its square is 30. Find the number.
7. Find two consecutive positive integers such that the square of the first is decreased by 17 equals 4 times the second.
8. Find three consecutive odd integers such that the square of the first increased the product of the other two is 224.
9. The altitude of a triangle is 5 less than its base. The area of the triangle is 42 square inches. Find its base and altitude.
10. The length of a rectangle exceeds its width by 4 inches. Find the dimensions of the rectangle it its area is 96 square inches.