

 **Centre: Prahladnagar**

**Date: 23/07/2017 Grade: 8th CBSE**

**Subject: Mathematics 30 Marks 1 Hour**

**Chapter-6 Square & Square Roots**

**Q.1** What least number must be added to 6072 to make it a perfect square?  **[3]**

**Q.2** Write each of the following numbers as sum of successive odd numbers?  **[3]**

a) 81 b) 64 c) 25

**Q.3** Given that  = 64, find the value of  + ?  **[2]**

**Q.4** A square board has an area of 144 square units. How long is each side of the board? **[3]**

**Q.5** Find the least number of four digits that is perfect square? **[3]**

**Q.6** Find the square root of the following by long division method? **[6]**

 a) 1369 b) 27.04

**Q.7** Is 176 a perfect square? If not, find the smallest number by which it should be multiplied to get a perfect square **[4]**

**Q.8** Is 9720 a perfect square? If not, find the smallest number by which it should be divided to get a perfect square? **[4]**

**Q.9** Write a Pythagorean triplet whose one of the number is 4? **[2]**

**‘All the best :)’**