

B.B.S.S.S.C School
 Holidays Homework
 class IX (maths)

- (1) Complete the chapter 1, 2 and ch 3 upto Ex 3.2 in your home work note book.
- (2) Solve the exemplar problem related to the ch 1 and 2 (NCERT Book)
- (3) Revise the chapter 1 and 2.
- (4) Complete the maths lab activities 1 to 6 in your activities note book.

(5) Factorise the following!

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|------------------------------------|-------------------------------|
| (i) $4x^2 + 20x + 25$ | (vi) $2x^2 + 3\sqrt{5}x + 5$ |
| (ii) $8x^3 - (2x - 3y)^3$ | (vii) $3x^2 - 4x - 4$ |
| (iii) $m^6 - 512n^6$ | (viii) $a^3 - 1$ |
| (iv) $8a^3 + b^3 + 12a^2b + 6ab^2$ | (ix) $a^2 + b - ab - a$ |
| (v) $6x^2 - 216y^2$ | (x) $y^2 + 5y + \frac{25}{4}$ |

(6) Plot the following points on graph paper.

- (i) A(2, 3) (ii) B(-7, 8) (iii) C(4, -1) (iv) D(-6, 9) (v) E(-4, -3)
 (vi) F(-5, 0) (vii) G(0, -5) (viii) H(-6, -5) (ix) I(0, 0) (x) J(6, 0)

- (7) Represent on number line: (i) $\sqrt{9.4}$ (ii) $\sqrt{6.9}$ (iii) $\sqrt{7.6}$ (iv) $\sqrt{8.4}$
- (8) Search the Internet and write the biography of Indian mathematician Shrinivasa Ramanujan (50 words)