

Weekend Worksheet – 2014-15

MATHEMATICS

Class ▶ VIII Section ▶

Date ▶

Name ▶

Roll No. ▶

I If $x + \frac{1}{x} = 19$ find $x^2 + \frac{1}{x^2}$

II If $a^2 + b^2 = 60$ and $ab = 2$ find $(a + b)$

III If $a^2 + b^2 = 131$ and $ab = 5$ find $(a - b)$

IV If $m + n = 16$ and $mn = 7$ find $m^2 + n^2$

V Solve the following equations :

(a) $x - 8 = 29$

(b) $2a + 15 = 55$

(c) $\frac{7+x}{5} = 18$

(d) $5(3a - 4) = 7(6a + 3) - 11$

(e) $7y / 8 = 35 / 48$