

31.07.2019
STD: VII

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TT - MATHS

Marks: 20
Time: 40mins

I. Answer in one word:

1. a^2 2. pq 3. (-8) 4. 25 5. 2

II. Answer the following:

6. $5n = -2$
 $n = -2$
 $5n - 2 = 5(-2) - 2$
 $= -12$

Ans: -12

7. $p^2 + pq + 3$
 $p = 0, q = -1$
 $p^2 + pq + 3 = 0^2 + 0(-1) + 3$
 $= 0 + 0 + 3$
 $= 3$

Ans: 3

8. $\frac{2a}{3} - 4$
 $a = 3$
 $= \frac{2(3)}{3} - 4$
 $= 2 - 4 = -2$

Ans: -2

9. $x = 2. x + 5 + 2(x - 3)$
 $= x + 5 + 2x - 6$
 $= x + 2x + 5 - 6$
 $= 3x - 1$

Substituting $x = 2$

$3(2) - 1$
 $= 6 - 1 = 5$ Ans: $3x - 1; 5$

10. $2y^2 + y - c = 5$

$$\begin{aligned} 2y^2 + y - c &= 5 \\ &= 2(0) + 0 - c = 5 \\ 0 + 0 - c &= 5 \\ -c &= +5 \end{aligned}$$

$c = -5$