

BHARATH COACHING CENTRE

8th CBSE

Maths

Total: 40

Factorization

Time: 1.00hrs

SECTION – A

6 x 2 = 12

1. Add: $\frac{1}{2}x^2 + 5x + 7, \frac{1}{8}x^2 + 7x + 17$.
2. Subtract: $8x^2 + \frac{1}{2}x + 4$ from $7x^2 + \frac{1}{8}x + 17$.
3. Multiply: $(x - 3)^2(x + 13)$.
4. Solve: $12^x = 144$.
5. Solve: $\frac{2}{5}(5x - 25)$.
6. Factorize $(9x - 7)^2$

SECTION – B

7 x 4 = 28

7. Multiply: $(5x + 12)(5x + 19)$.
8. Multiply : $(x^2 + 3x + 9)(x^2 + 3x + 2)$.
9. Find: $(x^2 - 9)(x^8 - m^8)$.
10. $2^6 \times 3^2 \times 2^3 \times 3^7 / 2^8 \times 3^6$
11. Write any four identities.
12. Find : $(x^8 - m^8)$
13. What should be subtracted from $\frac{1}{8}x^2 + 7x + 17$ to get $8x^2 + \frac{1}{2}x + 4$