Algebra — विज्ञाणिल

$$\frac{3}{2} = \frac{3}{2} + \frac{1}{2} = \frac{1}{2}$$

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$$\frac{1}{2} + \frac{1}{2} = \frac{1}{2}$$

$$\frac{1}{2} + \frac{1}{2} = \frac{1}{2}$$

$$(i) x^2 + \frac{1}{x^2} = a^2 - 2$$

(i)
$$x^3 + \frac{1}{x^3} = \alpha^3 - 3\alpha$$

1
$$2e + \frac{1}{2} = 3$$

(i)
$$3e^2 + \frac{1}{2} = 3^2 - 2$$

= $9 - 2 = 7 Ans$

(ii)
$$x^3 + \frac{1}{2} = 3^3 - 3 \times 3$$

= $27 - 9$
= $18 Ans$

$$0x^2 + \frac{1}{x^2} = a^2 + 2$$

$$\text{(1)} \quad \text{if } \quad \text{if } \quad \text{(1)} \quad \text{if } \quad \text{(2)} \quad \text{(2)} \quad \text{(3)} \quad \text{(2)} \quad \text{(3)} \quad \text{(2)} \quad \text{(3)} \quad \text{(3)} \quad \text{(4)} \quad \text{(4)} \quad \text{(4)} \quad \text{(4)} \quad \text{(4)} \quad \text{(5)} \quad \text{(5)} \quad \text{(5)} \quad \text{(5)} \quad \text{(6)} \quad \text$$

(a)
$$\partial e + \frac{1}{2} = 5$$

(i)
$$x^2 + \frac{1}{x^2} = 5^2 = 3$$

= $25 - 2$
= $25 - 2$
= $25 - 2$

$$(1) 2 + 1 = 5^3 - 3x5$$
 $|25 - 15|$
 $|10 \text{ pns}|$

3
$$\partial e + \frac{1}{2} = 6$$

(1)
$$x^2 + \frac{1}{x^2} = 6^2 2 = 36 - 2 = 34$$

$$\frac{110 \times 3 + 1}{23} = 6^{3} - 3 \times 6$$

$$= 216 - 18$$

$$= 198$$

$$\cancel{4}\cancel{x} - \cancel{x} = 3$$

(i)
$$x^2 + \frac{1}{x^2} = 3 + 2$$

= 9 + 2
= 11 Ans.

(ii)
$$x^3 - \frac{1}{2}x^3 = 3^3 + 3x^3$$

= $27 + 9$
= 36 Ans

(i)
$$3e^2 + \frac{1}{3}e^2 = 4^2 + 2$$
16+2
18 Ans

(i)
$$x^3 - \frac{1}{x^3} = 4^3 + 3x^4$$

= 64 + 12
= 76 Ans

$$0x^2 + 1 = 7^2 + 2$$

 $49 + 2$
 $51 + 2$

$$(1) x^3 - \frac{1}{x^3} = 7^3 + 3x7$$

$$= 343 + 21$$

$$= 364 + 2$$

$$\frac{1}{7}$$
 $\frac{\partial}{\partial e} + \frac{1}{2e} = 4$

$$\frac{2^{2}+\frac{1}{2}}{2}=4^{2}-2$$

$$=16-2$$

$$=14$$

$$3e^{6} + \frac{1}{3} = 14^{3} - 3 \times 14$$

$$= 2744 - 42$$

$$= 2702 \text{ ANS}$$

$$\partial e^{3} + \frac{1}{2}e_{3} = 4^{3} - 3x4$$

$$= 64 - 12$$

$$= 52$$

$$2e^{6} + \frac{1}{2}e^{6} \rightarrow 52^{2} - 2$$

$$= 2704 - 2$$

$$= 2702 \text{ Ans}$$

$$\frac{3}{3} + \frac{1}{2} = 3^3 - 3x^3$$
= 18

$$\partial e^{6} + \frac{1}{3}e^{6} = 18^{2} = 18^{2} = 18^{2} = 324 - 28 = 322 Ans$$

$$\frac{3+1}{3}=5^{3}-3x5$$
= 125-15
= 110

$$\partial e^{6} + \frac{1}{22} = -7 \cdot 10^{2} - 2$$

$$12100 - 2$$

$$12098 \text{ Ans}$$