23. Find the quadratic equation having roots 5 and 3.

वह समीकरण ज्ञात करें जिनका मूल 5 और 3 हैं।

(A)
$$x^2 - 8x + 15 = 0$$
 (B) $x^2 - 15x + 8 = 0$

(B)
$$x^2 - 15x + 8 = 0$$

(C)
$$x^2 + 8x + 15 = 0$$

(C)
$$x^2 + 8x + 15 = 0$$
 (D) $x^2 - 8x - 15 = 0$

24. Which of the following equations has / have real roots?

$$2x^2 - 3x + 4 = 0$$

(B)
$$4x^2 + 1x + 4 = 0$$

शांद्रा of the following equations has 7 have real foots?

इनमें से किस समीकरण के मूल वास्तविक हैं।

$$2x^2 - 3x + 4 = 0$$
 $3x^2 + 4x + 5 = 0$
 $3x^2 + 4x + 5 = 0$

$$D = 4^2 - 4 \times 3 \times 5$$

= 16 -60

maxm and minm value

अधिकतम और न्यूनतम् मान

$$e^2 \rightarrow +\infty$$

$$()$$
 max $^{m} \rightarrow \infty$

$$(i)$$
 max $^{m} \rightarrow 5$

(ii)
$$min^{m} \rightarrow -\infty$$

$$15+3e^{7}$$

$$15+3e^{7}$$

$$15+3e^{7}$$

$$15-\infty = -\infty$$

(i)
$$max^m \rightarrow +\infty$$

$$\text{(i) } max^{m} \rightarrow +\infty \\
 \text{(i) } min^{m} \rightarrow -\infty \\
 \text{(ii) } min^{m} \rightarrow -\infty \\
 \text{(iii) } min^{m} \rightarrow -\infty \\
 \text{(iiii) } min^{m} \rightarrow -\infty \\
 \text{(iiiii) } min^{m} \rightarrow -\infty \\
 \text{(iiiii) } min^{m} \rightarrow -\infty \\
 \text{(iiiii) } min^{m} \rightarrow -\infty \\
 \text{(iiiii)$$

$$15 - 3e^{14} - 315 - 0 = 15$$

$$0$$

$$0$$

$$0 \text{ max}^{m} \rightarrow 15$$

$$0 \text{ min}^{m} \rightarrow -\infty$$

$$2e+y=\frac{6}{2}=3$$

$$2x + 3 = 6$$
 $1 \times 5 = 5$
 $2 \times 4 = 8$
 $3 \times 3 = 9$

$$2x+y+z=2$$
 $2xyz=5tmqx^{2} + (2)^{3} = 8$
 $2xyz=5tmqx^{2} + (2)^{3} = 8$
 $2xyz=5tmqx^{2} + (2)^{3} = 8$

$$3e+y+z=8$$

$$(3e+2)+(y+3)+(z+5)=8+2+3+5$$

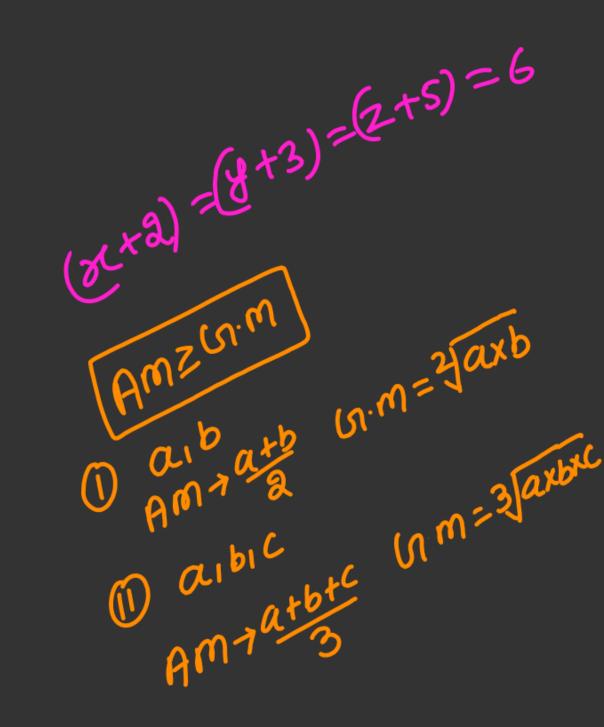
$$=18$$

$$\frac{18}{3}=6$$

$$(3c+2)(y+3)(z+5)$$
 57 $max^{m} \rightarrow 6^{3} = 216 Ans$

$$2c + 3 = 5$$

 $(2c-3) + (3+6) = 5-3+6 = 8$
 $(2c-3) = (3+6) = \frac{8}{2} = 4$
 $(2c-3) \times (3+6) + 4 = 16 \text{ Ang.}$



$$\frac{32+4+2}{3}$$
 = 8

Am2 Gm

 $\frac{3}{3}$ = $\frac{3}{3}$ ($\frac{3}{3}$ ($\frac{3}{2}$ + $\frac{3}{3}$) ($\frac{2}{2}$ + $\frac{3}{3}$) ($\frac{3}{3}$ ($\frac{3}{3}$ + $\frac{3}{3}$) ($\frac{3}{3}$ ($\frac{3}{3}$ + $\frac{3}{3}$) ($\frac{3}{3}$ ($\frac{3}{3}$ ($\frac{3}{3}$ + $\frac{3}{3}$) ($\frac{3}{3}$ ($\frac{3}{3}$ + $\frac{3}{3}$) ($\frac{3}{3}$ + $\frac{3}{3}$ ($\frac{3}{3}$ + $\frac{3}{3}$ ($\frac{3}{3}$ + $\frac{3}{3}$) ($\frac{3}{3}$ + $\frac{3}{3}$ ($\frac{3}{3}$ + $\frac{3}{3}$) ($\frac{3}{3}$ + $\frac{3}{3}$ ($\frac{3}{3}$ + $\frac{3}{3}$) ($\frac{3}{3}$

$$(3C-3) \times (3+6) \oplus max^m \rightarrow$$

$$3e+y # min = 4+4$$

$$= 8$$

A·m
$$\geq 0.0$$

$$2c+4 \geq \sqrt{3c}$$

$$2c+4 \geq \sqrt{16}$$

$$2c+4 \geq 4$$

$$2c+4 \leq 4$$

$$2c+4$$

$$2c+4 \leq 4$$

$$2c+4$$

$$2c$$

2CXY = 9 = 3 2c+yasto 2fordisto = 6 # xxyxz = 27 2014 2 951 min^m+
3+3+3=9 25. If (x-1)(y-2)(z-3) = 64, then what is the minimum value

of
$$(x+y+z)$$
 is:—
यदि $(x-1)(y-2)(z-3)=64$, तो $(x+y+z)$ का निम्नतम मान क्या

है:-

$$Am \ge Gm$$
 $3z-1+8-2+z-3 \ge 3(3x-1)(8-2)(z-3)$
 3
 $3z-1+3-2-6 \ge \sqrt{64}$

22+4+2-6218 22+4+2-218

25. If (x-1)(y-2)(z-3) = 64, then what is the minimum value

of
$$(x+y+z)$$
 is:—

यदि
$$(x-1)(y-2)(z-3) = 64$$
, तो $(x+y+z)$ का निम्नतम मान क्या

है:-



$$(2e-1)=(y-2)=(2-3)=3\sqrt{64}=4$$

1-6+7=18 5+6+7

26. If a+b+c=18, then find the maximum value of (a+7)(b+1)

5)
$$(c-3)$$
 is:—

यदि
$$a+b+c=18$$
, तो $(a+7)(b+5)(c-3)$ का अधिकतम मान बतायें। $\frac{17}{3}$ $\frac{1}{3}$ $\frac{1$

$$(a+7) = (b+5) = (c-3) = \frac{27}{5} = 9$$

27. If
$$x + \frac{1}{x} = -2$$
, then the value of $x^p + x^q$ is:—

(Where p is an even number and q is an odd number).

यदि
$$x + \frac{1}{x} = -2$$
 है, तो $x^p + x^q$ का मान क्या होगा ?

(यहाँ p सम संख्या और q विषम संख्या है)

$$(A) -2$$

(B) 1 (C) 2 (D) 0
$$2e^{P} + 3e^{q}$$

$$(-1)e^{q} + (-1)e^{q}$$

$$+2(-1)e^{q}$$

(-) ATT 7 - Ve

$$\frac{2e^4 + 3e^3 - 43e^2 + 3ac - 19}{3e + 1}$$
 R=

$$R \rightarrow 2e^{4} + 2e^{3} - 42e^{2} + 32e - 19$$

$$= (-1)^{4} + (-1)^{3} - 4x(-1)^{2} + 3x - 19$$

$$= 2 - 1 - 1 - 4 - 3 - 19$$

$$= (-26)$$

$$R \rightarrow 24 + 26^{3} - 426^{2} + 326 + K$$

$$-26 = (-1)^{4} + (-1)^{3} - 4x(-1)^{2} + 3x - 1 + K$$

$$-26 = 1 - 1/4 - 4 - 3 + K$$

$$-26 + 7 = K$$

