MATHEMATICAL INEQUALITY SET-1 BY ALOK SIR

Directions : There are two equations are given I and II. You solved them

(a) If $x > y$

(b) If $x \geq y$

(c) If $x < y$

(d) If $x \leq y$

(e) If $x = y$ or not relation make

1. **I.** $x^2 - 1 = 0$ **II.** $y^2 + 4y + 3 = 0$

MATHEMATICAL INEQUALITY SET-1 BY ALOK SIR

Directions : There are two equations are given I and II. You solved them

(a) If $x > y$

(b) If $x \geq y$

(c) If $x < y$

(d) If $x \leq y$

(e) If $x = y$ or not relation make

2. **I.** $x^3 - 371 = 629$ **II.** $y^3 - 543 = 788$

MATHEMATICAL INEQUALITY SET-1 BY ALOK SIR

Directions : There are two equations are given I and II. You solved them

(a) If $x > y$

(b) If $x \geq y$

(c) If $x < y$

(d) If $x \leq y$

(e) If $x = y$ or not relation make

3. **I.** $2x^2 + 11x + 12 = 0$ **II.** $5y^2 + 27y + 10 = 0$

MATHEMATICAL INEQUALITY SET-1 BY ALOK SIR

Directions : There are two equations are given I and II. You solved them

(a) If $x > y$

(b) If $x \geq y$

(c) If $x < y$

(d) If $x \leq y$

(e) If $x = y$ or not relation make

4. **I.** $x^2 - 4 = 0$ **II.** $y^2 + 6y + 9 = 0$

MATHEMATICAL INEQUALITY SET-1 BY ALOK SIR

Directions : There are two equations are given I and II. You solved them

(a) If $x > y$

(b) If $x \geq y$

(c) If $x < y$

(d) If $x \leq y$

(e) If $x = y$ or not relation make

5. **I.** $x^2 = 729$ **II.** $y = \sqrt{729}$

MATHEMATICAL INEQUALITY SET-1 BY ALOK SIR

Directions : There are two equations are given I and II. You solved them

(a) If $x > y$

(b) If $x \geq y$

(c) If $x < y$

(d) If $x \leq y$

(e) If $x = y$ or not relation make

6. **I.** $x^2 - x - 12 = 0$ **II.** $y^2 3y + 2 = 0$

MATHEMATICAL INEQUALITY SET-1 BY ALOK SIR

Directions : There are two equations are given I and II. You solved them

(a) If $x > y$

(b) If $x \geq y$

(c) If $x < y$

(d) If $x \leq y$

(e) If $x = y$ or not relation make

7. **I.** $x^2 - 32 = 112$ **II.** $y - \sqrt{121} = 0$

MATHEMATICAL INEQUALITY SET-1 BY ALOK SIR

Directions : There are two equations are given I and II. You solved them

(a) If $x > y$

(b) If $x \geq y$

(c) If $x < y$

(d) If $x \leq y$

(e) If $x = y$ or not relation make

8. **I.** $x^2 - 16 = 0$ **II.** $y^2 - 9y + 20 = 0$

MATHEMATICAL INEQUALITY SET-1 BY ALOK SIR

Directions : There are two equations are given I and II. You solved them

(a) If $x > y$

(b) If $x \geq y$

(c) If $x < y$

(d) If $x \leq y$

(e) If $x = y$ or not relation make

9. **I.** $x^2 + x - 20 = 0$ **II.** $y^2 - y - 30 = 0$

MATHEMATICAL INEQUALITY SET-1 BY ALOK SIR

Directions : There are two equations are given I and II. You solved them

(a) If $x > y$

(b) If $x \geq y$

(c) If $x < y$

(d) If $x \leq y$

(e) If $x = y$ or not relation make

10. **I.** $\frac{4}{\sqrt{x}} + \frac{7}{\sqrt{x}} = \sqrt{x}$ **II.** $y^2 - \frac{(11)^{\frac{5}{2}}}{\sqrt{y}} = 0$

MATHEMATICAL INEQUALITY SET-1 BY ALOK SIR

Directions : There are two equations are given I and II. You solved them

(a) If $x > y$

(b) If $x \geq y$

(c) If $x < y$

(d) If $x \leq y$

(e) If $x = y$ or not relation make

11. **I.** $5x^2 - 18x + 9 = 0$ **II.** $20y^2 - 13y + 2 = 0$

MATHEMATICAL INEQUALITY SET-1 BY ALOK SIR

Directions : There are two equations are given I and II. You solved them

(a) If $x > y$

(b) If $x \geq y$

(c) If $x < y$

(d) If $x \leq y$

(e) If $x = y$ or not relation make

12. **I.** $\frac{3}{\sqrt{x}} + \frac{4}{\sqrt{x}} = \sqrt{x}$ **II.** $y^3 - \frac{(7)^{7/2}}{\sqrt{y}} = 0$

MATHEMATICAL INEQUALITY SET-1 BY ALOK SIR

Directions : There are two equations are given I and II. You solved them

(a) If $x > y$

(b) If $x \geq y$

(c) If $x < y$

(d) If $x \leq y$

(e) If $x = y$ or not relation make

13. **I.** $x^2 + 11x + 30 = 0$ **II.** $y^2 + 7y + 12 = 0$

MATHEMATICAL INEQUALITY SET-1 BY ALOK SIR

Directions : In the following three equations numbered I, I and III are given. You have to solve all the equations either together or 2 separately, or two together and one separately, or by any other method and :

Given Answer

(a) If $x < y = z$

(b) If $x \leq y < z$

(c) If $x < y < z$

(d) If $x = y > z$

(e) If $x = y = z$ or if none of the above relationship is established

14. **I.** $7x + 6y = 110$ **II.** $4x + 3y = 59$

III. $x + z = 15$

MATHEMATICAL INEQUALITY SET-1 BY ALOK SIR

Directions : In the following three equations numbered I, I and III are given. You have to solve all the equations either together or 2 separately, or two together and one separately, or by any other method and :

Given Answer

(a) If $x < y = z$

(b) If $x \leq y < z$

(c) If $x < y < z$

(d) If $x = y > z$

(e) If $x = y = z$ or if none of the above relationship is established

15. **I.** $8x + 7y = 135$ **II.** $5x + 6y = 99$

III. $9y + 8z = 121$

MATHEMATICAL INEQUALITY SET-1 BY ALOK SIR

Directions : In each of these questions two equations I and II are given. You have to solve both the equations and

Give answer

(a) If $a < b$

(b) If $a \leq b$

(c) If relationship between a and b cannot be established

(d) If $a \geq b$

(e) If $a \leq b$

16. **I.** $4a^2 - 20a + 21 = 0$ **II.** $2b^2 - 5b + 3 = 0$

MATHEMATICAL INEQUALITY SET-1 BY ALOK SIR

Directions : In each of these questions two equations I and II are given. You have to solve both the equations and

Give answer

(a) If $a < b$

(b) If $a \leq b$

(c) If relationship between a and b cannot be established

(d) If $a \geq b$

(e) If $a \leq b$

17. **I.** $a^2 = 4$ **II.** $b^2 = 9$

MATHEMATICAL INEQUALITY SET-1 BY ALOK SIR

Directions : In each of these questions two equations I and II are given. You have to solve both the equations and

Give answer

(a) If $a < b$

(b) If $a \leq b$

(c) If relationship between a and b cannot be established

(d) If $a \geq b$

(e) If $a \leq b$

18. **I.** $a^2 + 5a + 6 = 0$ **II.** $b^2 + 3b + 2 = 0$