

# QUANTITATIVE APTITUDE

## Quadratic Equations





<h1>Stay Connected With SPNotifier</h1>	
	 TM

## EBooks for Bank Exams, SSC & Railways 2020

General Awareness EBooks

Computer Awareness EBooks

Monthly Current Affairs Capsules



1. Find the roots of the quadratic equation:  $X^2 + 2x - 15 = 0$ ?

- A. -5, 3
- B. 3, 5
- C. -3, 5
- D. -3, -5
- E. 5, 2

Answer: A

Explanation:

$$X^2 + 5x - 3x - 15 = 0$$

$$X(x + 5) - 3(x + 5) = 0$$

$$(x - 3)(x + 5) = 0$$

$$\Rightarrow x = 3 \text{ or } x = -5.$$

2. Find the roots of the quadratic equation:  $2x^2 + 3x - 9 = 0$ ?

- A. 3, -3/2
- B. 3/2, -3
- C. -3/2, -3
- D. 3/2, 3
- E. 2/3, -3

Answer: B

Explanation:

$$2x^2 + 6x - 3x - 9 = 0$$

$$2x(x + 3) - 3(x + 3) = 0$$

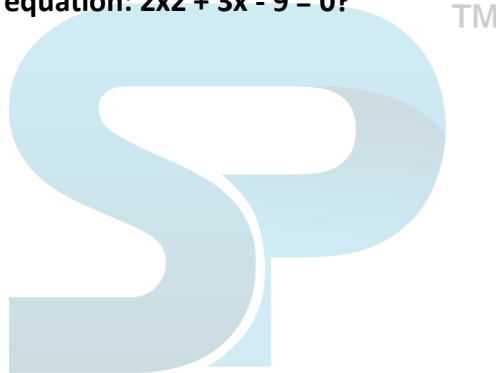
$$(x + 3)(2x - 3) = 0$$

$$\Rightarrow x = -3 \text{ or } x = 3/2.$$

3. The roots of the equation  $3x^2 - 12x + 10 = 0$  are?

- A. rational and unequal
- B. complex
- C. real and equal
- D. irrational and unequal
- E. rational and equal

Answer: D



**Explanation:**

The discriminant of the quadratic equation is  $(-12)^2 - 4(3)(10)$  i.e., 24. As this is positive but not a perfect square, the roots are irrational and unequal.

**4. If the roots of a quadratic equation are 20 and -7, then find the equation?**

- A.  $X^2 + 13x - 140 = 0$
- B.  $X^2 - 13x + 140 = 0$
- C.  $X^2 - 13x - 140 = 0$
- D.  $X^2 + 13x + 140 = 0$
- E. None of these

**Answer:** C**Explanation:**

Any quadratic equation is of the form

$$X^2 - (\text{sum of the roots})x + (\text{product of the roots}) = 0 \text{ ---- (1)}$$

Where x is a real variable. As sum of the roots is 13 and product of the roots is -140, the quadratic equation with roots as 20 and -7 is:

$$X^2 - 13x - 140 = 0.$$

**5. The sum and the product of the roots of the quadratic equation  $X^2 + 20x + 3 = 0$  are?**

- A. 10, 3
- B. -10, 3
- C. 20, -3
- D. -10, -3
- E. None of these

**Answer:** E**Explanation:** Sum of the roots and the product of the roots are -20 and 3 respectively.

**6.  $x^2 - 32x + 252 = 0$**

**$y^2 - 28y + 192 = 0$**

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

**Answer:** E.



Explanation:

$$X^2 - 32x + 252 = 0$$

$$x = 18, 14$$

$$y^2 - 28y + 192 = 0$$

$$y = 12, 16$$

$$7. x^2 - 32x + 247 = 0$$

$$y^2 - 22y + 117 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: C.

Explanation:

$$X^2 - 32x + 247 = 0$$

$$x = 13, 19$$

$$y^2 - 22y + 117 = 0$$

$$y = 13, 9$$

$$8. x^2 + 29x + 208 = 0$$

$$y^2 + 19y + 78 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: D.

Explanation:

$$X^2 + 29x + 208 = 0$$

$$x = -13, -16$$

$$y^2 + 19y + 78 = 0$$





$$y = -13, -6$$

$$9. x^2 - 22x + 105 = 0$$

$$y^2 - 27y + 162 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: E.

Explanation:

$$X^2 - 22x + 105 = 0$$

$$x = 15, 7$$

$$y^2 - 27y + 162 = 0$$

$$y = 18, 9$$

$$10. (x - 18)^2 = 0$$

$$y^2 = 324$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: C.

Explanation:

$$X^2 - 36x + 324 = 0$$

$$x = 18, 18$$

$$y^2 = 324$$

$$y = \pm 18$$

$$11. 2x^2 + 20x + 50 = 0$$

$$2y^2 + 22y + 56 = 0$$

- A.  $X > Y$





- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: E.

Explanation:

$$2x^2 + 20x + 50 = 0$$

$$X^2 + 10x + 25 = 0$$

$$x = -5$$

$$2y^2 + 22y + 56 = 0$$

$$y = -4, -7$$

**12.  $2x^2 - 13x + 21 = 0$**

$$y^2 - 33y + 272 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established



Answer: B.

Explanation:

$$2x^2 - 13x + 21 = 0$$

$$x = 3.5, 3$$

$$y^2 - 33y + 272 = 0$$

$$y = 16, 17$$

**13.  $x^2 - 29x + 208 = 0$**

$$y^2 + 9y + 14 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established



Answer: A.

Explanation:

$$X^2 - 29x + 208 = 0$$

$$x = 13, 16$$

$$y^2 + 9y + 14 = 0$$

$$y = -2, -7$$

**14.  $x^2 - 25x + 156 = 0$**

$$y^2 - 65y + 676 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: D.

Explanation:

$$X^2 - 25x + 156 = 0$$

$$x = 13, 12$$

$$y^2 - 65y + 676 = 0$$

$$y = 13, 52$$

**15.  $2x^2 - 7x + 6 = 0$**

$$2y^2 - 9y + 10 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: D.

Explanation:

$$2x^2 - 7x + 6 = 0$$

$$x = 1.5, 2$$







$$2y^2 - 9y + 10 = 0$$

$$y = 2, 2.5$$

$$16. x^2 - 39x + 324 = 0$$

$$y^2 - 47y + 420 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: E.

Explanation:

$$X^2 - 39x + 324 = 0$$

$$x = 27, 12$$

$$y^2 - 47y + 420 = 0$$

$$y = 35, 12$$

$$17. x^2 - 31x + 240 = 0$$

$$y^2 - 29y + 210 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: C.

Explanation:

$$X^2 - 31x + 240 = 0$$

$$x = 15, 16$$

$$y^2 - 29y + 210 = 0$$

$$y = 15, 14$$

$$18. x^2 + 40x + 391 = 0$$

$$y^2 - 20y - 525 = 0$$





- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: B.

Explanation:

$$X^2 + 40x + 391 = 0$$

$$x = -23, -17$$

$$y^2 - 20y - 525 = 0$$

$$y = 35, -15$$

$$19. 4x^2 + 19x + 21 = 0$$

$$3y^2 + 29y + 56 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established



Answer: E.

Explanation:

$$4x^2 + 19x + 21 = 0$$

$$x = -3, -1.75$$

$$3y^2 + 29y + 56 = 0$$

$$y = -7, -2.6$$

$$20. x^2 - 16x + 63 = 0$$

$$6y^2 - 29y + 35 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established



Answer: A.

Explanation:

$$X^2 - 16x + 63 = 0$$

$$x = 7, 9$$

$$6y^2 - 29y + 35 = 0$$

$$y = 2.3, 2.5$$

$$21. x^2 - 34x + 288 = 0$$

$$y^2 - 28y + 192 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: C.

Explanation:

$$X^2 - 34x + 288 = 0$$

$$x = 18, 16$$

$$y^2 - 28y + 192 = 0$$

$$y = 12, 16$$

$$22. x^2 - 26x + 168 = 0$$

$$y^2 - 32y + 252 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: D.

Explanation:

$$X^2 - 26x + 168 = 0$$

$$x = 12, 14$$





$$y^2 - 32y + 252 = 0$$

$$y = 14, 18$$

$$23. x^2 + 26x + 168 = 0$$

$$y^2 + 23y + 132 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: D.

Explanation:

$$X^2 + 26x + 168 = 0$$

$$x = -12, -14$$

$$y^2 + 23y + 132 = 0$$

$$y = -12, -11$$

$$24. x^2 - 28x + 195 = 0$$

$$y^2 - 30y + 216 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: E.

Explanation:

$$X^2 - 28x + 195 = 0$$

$$x = 15, 13$$

$$y^2 - 30y + 216 = 0$$

$$y = 18, 12$$

$$25. (x - 19)^2 = 0$$

$$y^2 = 361$$





- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: C.

Explanation:

$$X^2 - 38x + 361 = 0$$

$$x = 19, 19$$

$$y^2 = 361$$

$$y = \pm 19$$

$$26. x^2 - 44x + 448 = 0$$

$$y^2 - 28y + 195 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established



Answer: A.

Explanation:

$$X^2 - 44x + 448 = 0$$

$$x = 28, 16$$

$$y^2 - 28y + 195 = 0$$

$$y = 13, 15$$

$$27. x^2 - 26x + 168 = 0$$

$$y^2 - 34y + 285 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established



Answer: B.

Explanation:

$$X^2 - 26x + 168 = 0$$

$$x = 12, 14$$

$$y^2 - 34y + 285 = 0$$

$$y = 15, 19$$

**28.  $x^2 - 38x + 352 = 0$**

$$y^2 - 25y + 154 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: A.

Explanation:

$$X^2 - 38x + 352 = 0$$

$$x = 22, 16$$

$$y^2 - 25y + 154 = 0$$

$$y = 11, 14$$

**29.  $x^2 = 121$**

$$y^2 - 46y + 529 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: B.

Explanation:

$$X^2 = 121$$

$$x = 11, -11$$





$$y^2 - 46y + 529 = 0$$

$$y = 23, 23$$

$$30. x^2 - 31x + 234 = 0$$

$$y^2 - 34y + 285 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: E.

Explanation:

$$X^2 - 31x + 234 = 0$$

$$x = 13, 18$$

$$y^2 - 34y + 285 = 0$$

$$y = 15, 19$$

$$31. x^2 - 32x + 252 = 0$$

$$y^2 - 28y + 192 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: E.

Explanation:

$$X^2 - 32x + 252 = 0$$

$$x = 18, 14$$

$$y^2 - 28y + 192 = 0$$

$$y = 12, 16$$

$$32. x^2 - 32x + 247 = 0$$

$$y^2 - 22y + 117 = 0$$





- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: C.

Explanation:

$$X^2 - 32x + 247 = 0$$

$$x = 13, 19$$

$$y^2 - 22y + 117 = 0$$

$$y = 13, 9$$

$$33. x^2 + 29x + 208 = 0$$

$$y^2 + 19y + 78 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: D.

Explanation:

$$X^2 + 29x + 208 = 0$$

$$x = -13, -16$$

$$y^2 + 19y + 78 = 0$$

$$y = -13, -6$$

$$34. x^2 - 22x + 105 = 0$$

$$y^2 - 27y + 162 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established







Answer: E.

Explanation:

$$X^2 - 22x + 105 = 0$$

$$x = 15, 7$$

$$y^2 - 27y + 162 = 0$$

$$y = 18, 9$$

$$35. (x - 18)^2 = 0$$

$$y^2 = 324$$

A.  $X > Y$

B.  $X < Y$

C.  $X \geq Y$

D.  $X \leq Y$

E.  $X = Y$  or relation cannot be established

TM

Answer: C.

Explanation:

$$X^2 - 36x + 324 = 0$$

$$x = 18, 18$$

$$y^2 = 324$$

$$y = \pm 18$$

$$36. x^2 - 41x + 400 = 0$$

$$y^2 - 29y + 210 = 0$$

A.  $X > Y$

B.  $X < Y$

C.  $X \geq Y$

D.  $X \leq Y$

E.  $X = Y$  or relation cannot be established

Answer: A.

Explanation:

$$X^2 - 41x + 400 = 0$$

$$x = 25, 16$$





$$y^2 - 29y + 210 = 0$$

$$y = 14, 15$$

$$37. x^2 - 25x + 156 = 0$$

$$y^2 - 32y + 255 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: B.

Explanation:

$$X^2 - 25x + 156 = 0$$

$$x = 12, 13$$

$$y^2 - 32y + 255 = 0$$

$$y = 15, 17$$

$$38. x^2 - 35x + 294 = 0$$

$$y^2 - 23y + 132 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: A.

Explanation:

$$X^2 - 35x + 294 = 0$$

$$x = 21, 14$$

$$y^2 - 23y + 132 = 0$$

$$y = 11, 12$$





39.  $x^2 = 64$

$$y^2 - 34y + 289 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: B.

Explanation:

$$X^2 = 64$$

$$x = 8, -8$$

$$y^2 - 34y + 289 = 0$$

$$y = 17, 17$$

40.  $x^2 - 29x + 208 = 0$

$$y^2 - 32y + 255 = 0$$

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

Answer: E.

Explanation:

$$X^2 - 29x + 208 = 0$$

$$x = 13, 16$$

$$y^2 - 32y + 255 = 0$$

$$y = 15, 17$$

41.  $X^2 - 18x + 72 = 0, 5Y^2 - 18y + 9 = 0$

- A. If  $X > Y$
- B. If  $X < Y$
- C. If  $X \geq Y$
- D. If  $X \leq Y$





E. If  $X = Y$  or relation cannot be established

Answer: A

Explanation:

$$X^2 - 18x + 72 = 0$$

$$(X-12)(X-6) = 0$$

Gives  $x = 6, 12$

$$5Y^2 - 18y + 9 = 0$$

$$5Y^2 - 15y - 3y + 9 = 0$$

Gives  $y = 3/5, 3$

Put on number line

3/5    3        6            12

**42.  $X^2 = 4, 3Y^2 - 4y - 4 = 0$**

- A. If  $X > Y$
- B. If  $X < Y$
- C. If  $X \geq Y$
- D. If  $X \leq Y$
- E. If  $X = Y$  or relation cannot be established



Answer: E

Explanation:

$$X^2 = 4$$

Gives  $x = 2, -2$

$$3Y^2 - 4y - 4 = 0$$

$$3Y^2 - 6y + 2y - 4 = 0$$

Gives  $y = -2/3, 2$

Put on number line

-2    -2/3    2

When  $y = 2, y \geq x$

When  $y = -2/3, y > x (-2)$  and  $y < x (2)$



So no relation

**43.  $6X^2 - 5x - 6 = 0,$**

**$2Y^2 - 13y + 20 = 0$**

- A. If  $X > Y$
- B. If  $X < Y$
- C. If  $X \geq Y$
- D. If  $X \leq Y$
- E. If  $X = Y$  or relation cannot be established

Answer: B

Explanation:

$6X^2 - 5x - 6 = 0$

$6X^2 - 9x + 4x - 6 = 0$

Gives  $x = -2/3, 3/2$

$2Y^2 - 13y + 20 = 0$

$2Y^2 - 8y - 5y + 20 = 0$

Gives  $y = 4, 5/2$

Put on number line

$-2/3 \quad 3/2 \quad 5/2 \quad 4$



**44.  $2X^2 - 5x = 0, 2Y^2 + 7y - 4 = 0$**

- A. If  $X > Y$
- B. If  $X < Y$
- C. If  $X \geq Y$
- D. If  $X \leq Y$
- E. If  $X = Y$  or relation cannot be established

Answer: E

Explanation:

$2X^2 - 5x = 0$

$x(2x-5) = 0$

Gives  $x = 0, 5/2$



$$3Y^2 - 7y - 6 = 0$$

$$3Y^2 - 9y + 2y - 6 = 0$$

Gives  $y = -2/3, 3$

Put on number line

$-2/3 \quad 0 \quad 5/2 \quad 3$

**45.  $2X^2 + 5x + 2 = 0, 2Y^2 + 19y + 45 = 0$**

- A. If  $X > Y$
- B. If  $X < Y$
- C. If  $X \geq Y$
- D. If  $X \leq Y$
- E. If  $X = Y$  or relation cannot be established

**Answer:** A

**Explanation:**

$$2X^2 + 5x + 2 = 0$$

$$2X^2 + 4x + x + 2 = 0$$

Gives  $x = -1/2, -2$

$$2Y^2 + 19y + 45 = 0$$

$$2Y^2 + 10y + 9y + 45 = 0$$

Gives  $y = -10/2, -9/2$

Put on number line

$-10/2 \quad -9/2 \quad -2 \quad -1/2$

**46.  $X^2 - 1 = 0, Y^2 + 4y + 3 = 0$**

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

**Answer:** C.

**Explanation:**





$$X^2 = 1$$

$$x = \pm 1$$

$$Y^2 + 4y + 3 = 0$$

$$Y^2 + y + 3y + 3 = 0$$

$$y = -1, -3$$

Put on number line

$$-3 \quad -1 \quad -1 \quad 1$$

**47.  $X^2 - 10x + 24 = 0$ ,  $Y^2 - 14y + 48 = 0$**

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established

**Answer:** D.

**Explanation:**

$$X^2 - 10x + 24 = 0$$

$$X^2 - 6x - 4x + 24 = 0$$

$$x = 4, 6$$

$$Y^2 - 14y + 48 = 0$$

$$Y^2 - 6y - 8y + 48 = 0$$

$$y = 6, 8$$

Put on number line

$$4 \quad 6 \quad 6 \quad 8$$

**48.  $2X^2 - 13x + 20 = 0$ ,  $2Y^2 - 7y + 6 = 0$**

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established





Answer: A.

Explanation:

$$2X^2 - 13x + 20 = 0$$

$$2X^2 - 8x - 5x + 20 = 0$$

$$x = 2.5, 4$$

$$2Y^2 - 7y + 6 = 0$$

$$2Y^2 - 3y - 4y + 6 = 0$$

$$y = 1.5, 2$$

Put on number line

$$1.5 \ 2 \ 2.5 \ 4$$

**49.  $(15/\sqrt{x}) + (9/\sqrt{x}) = 11\sqrt{x}$ ,  $(\sqrt{y}/4) + (5\sqrt{y}/12) = (1/\sqrt{y})$**

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$
- E.  $X = Y$  or relation cannot be established



Answer: A.

Explanation:

$$(15/\sqrt{x}) + (9/\sqrt{x}) = 11\sqrt{x}$$

$$24/\sqrt{x} = 11\sqrt{x}$$

$$x = 24/11 = 2.18$$

$$(\sqrt{y}/4) + (5\sqrt{y}/12) = (1/\sqrt{y})$$

$$(8\sqrt{y}/12) = (1/\sqrt{y})$$

$$y = 1.5$$

**50.  $X^4 - 227 = 398$ ,  $Y^2 + 321 = 346$**

- A.  $X > Y$
- B.  $X < Y$
- C.  $X \geq Y$
- D.  $X \leq Y$





E.  $X = Y$  or relation cannot be established

Answer: E.

Explanation:

$$X^4 - 227 = 398$$

$$X^4 = 625$$

Take square root on both sides

$$X^2 = 25$$

$$x = 5, -5$$

$$Y^2 + 321 = 346$$

$$Y^2 = 25$$

$$Y^2 = 25$$

$$y = \pm 5$$

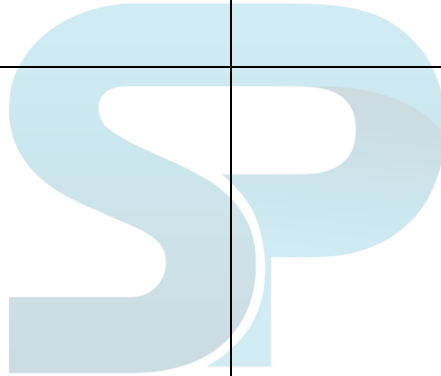




## Stay Connected With SPNotifier



TM



**Quantitative Aptitude EBooks**

**Reasoning Ability EBooks**

**English Language EBooks**