FBQ1: In the Quadratic Formula, , is called the _____
Answer: Discriminant

FBQ2: The domain of , will be any real number except _____
Answer: -2

FBQ4: The set of all y values of a relation is called the _____Â
Answer: Domain

FBQ5: The set of element in {x | x is a positive even integer less than 4} is: â€¦â€¦â€¦.
.
Answer: {1,2,3}

FBQ7: The common ratio is _____, when the fourth term is divided by the second term is 9Â
Answer: 3

FBQ8: In slope-intercept form, the equation of a line passing through the point (-3,2) and parallel to 4x-y=7 is given as â€¦â€¦â€¦â€¦..
Answer: y=4x+4 Â

FBQ9: The distance between the points (-3, 19), (-7, -5) to the nearest tenth is â€¦â€¦â€¦..
Answer: 24.3

FBQ20: Polar form of a complex number is â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦
Answer: r(cosÎ¸+isinÎ¸) Â

FBQ21: Set that have unlimited numbers of elements are referred to asâ€¦â€¦â€¦â€¦.
Answer: infinite set

FBQ22: The radius of the circle with the equation: is _____
Answer: 5

FBQ24: The cardinality of the Power set of the set {0,1,2} is â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦
Answer: 6

FBQ25: The values of x in equation is â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦
Answer: 5 and 1

FBQ3: In terms of their elements, two sets are called disjoint if they have ----------
Â Â
Answer: no element in common Â

FBQ6: The centre of the circle is â€¦â€¦â€¦â€¦â€¦â€¦â€¦Â
Answer: (1,-3)

FBQ10: Power set of empty set has exactly â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦.. number of subset.
Answer: Zero

FBQ11: The x intercept of 9x-2y=18Â Â is _____
Answer: (3,0)

FBQ12: What is the coordinate of the y-intercept of the linear equation 9x-2y=18 isâ€¦â€¦â€¦â€¦..
Answer: (0,2)

FBQ13: The leading coefficient of y=6x3-3x2+4x+5 is â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦
Answer: 6

FBQ14: If A and B are sets and A âˆª B =A âˆ© B, then the two sets are â€¦â€¦â€¦â€¦â€¦â€¦.
Answer: A=B

FBQ15: The intersect of the sets {1, 2, 5} and {1, 2, 6} is the set.....
Answer: {1, 2}

FBQ16: The solution of a quadratic equation is sometimes called _____
Answer: Roots

FBQ17: Given the circle , the radius of the circle isâ€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦
Answer: Zero

FBQ18: The equation of the line passing through the point (-3,7) with slope zero can be written as â€¦â€¦â€¦â€¦â€¦â€¦
Answer: y=7

FBQ19: The Common difference of sequence 2, -2,-6,â€¦ is â€¦â€¦â€¦â€¦â€¦â€¦Â
Answer: -4

FBQ23: The sum of -5+Â 4i+9+Â 6i in standard form (+Â bi) is â€¦â€¦â€¦â€¦..
Answer: 4+10i

FBQ26: The union of the sets {1, 2, 5} and {1, 2, 6} is the set .....
...
Answer: {1, 2, 5, 6}

FBQ27: The individual objects in a set are called â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦Â
Answer: Element

FBQ28: The Common difference of sequence 5,8,11,14,â€¦ isÂ
Answer: 3

FBQ29: Collection of well-defined objects is called a â€¦â€¦â€¦â€¦â€¦â€¦..

Answer: Set

FBQ30: The set of positive integers is an example of â€¦â€¦â€¦â€¦â€¦set
Answer: Infinite

FBQ31: If Aâˆ©B=Bâˆ©A, then the sets A and B are â€¦â€¦â€¦â€¦.
Answer: Commutative

FBQ32: The product of 4+iand 4-iis â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦.Â
Answer: 17

FBQ33: A linear system of equations made up of two intersecting lines has _____ solution(s).
Answer: 2

FBQ34: The Sum of the roots of the quadratic equation 3x2 -5x -2 is â€¦â€¦â€¦â€¦â€¦â€¦â€¦.
Answer: 5/3

FBQ35: The solutions of a quadratic equation x2 + 5x â€“ 6 = 0 are â€¦â€¦â€¦. and â€¦â€¦â€¦â€¦â€¦â€¦â€¦..
Answer: 1 , -6

FBQ36: In standard form a+Â bi, 3-Â 5i--5+Â 11i+(9+Â 6i) can be reduced to â€¦.Â
Answer: 17-10i

FBQ37: Any set that contains a definite number of elements is called â€¦â€¦â€¦â€¦â€¦â€¦.Â Â
Answer: finite set

FBQ38: One factor of the expression 8x2 â€“ 19x + 6 is x -2. The other is â€¦â€¦â€¦â€¦â€¦..Â
Answer: 8x-3

FBQ39: Expansion of 3-6i2is â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦..
Answer: -27-36i

FBQ40: If the difference between the third term and the second term is 12, then the common difference is â€¦â€¦â€¦â€¦â€¦â€¦..
Answer: 12

FBQ41: If Set D = {x: x is an odd number between 10 and 18}, the elements
Answer: {11,13,15,17}

FBQ42: The minimum value of is â€¦â€¦â€¦â€¦â€¦â€¦â€¦
Answer: -4

FBQ43: The numerator of the quotient 5-3i2+Â 7iin standard form (a+Â bi) is

â€¦â€¦â€¦..Â
Answer: -11-4i

FBQ44: When b2-4ac<0, then the equation has
â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦solution.Â
Answer: two complex solutions

FBQ45: The first and seventh terms of a geometric progression are 812 and 329 respectively. Hence, the common ratio is â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦
Answer: 2/3

FBQ46: If two sets have distinct elements, they are said to be
â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦Â
Answer: Disjoint

FBQ47: The slope of the linear equation y=12x-2   is â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦..
Answer: 2/3

FBQ48: The slope of the linear equationy=-14x+7is â€¦â€¦â€¦â€¦â€¦
Answer: -1/4

FBQ49: If U={a,b,c,d,e}, A={a,c,e} and B={a,b,e}, then (Aâˆ©B)
=â€¦â€¦â€¦â€¦â€¦â€¦â€¦Â
Answer: {a,e}

FBQ50: The value of i15is â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦â€¦..Â
Answer: -i

MCQ1: Evaluate
Answer: 5

MCQ2: Solve for x:
Answer: x=3

MCQ3: Find the product of 4 + i and 4 â€“ i.
Answer: 17

MCQ4: What are the center and radius of
Answer:

MCQ5: Simply
Answer:

MCQ6: Expand
Answer: -27 - 36iÂ

MCQ7: Find the next term of each sequence 4 -16, 64, -256 1024, â€¦
Answer: -4096

MCQ8: Find the next term of each sequence 4, 16, 36, 64, 100
Answer: 144

MCQ9: Find the next term of each sequence 4, -12, 36, -108, 324
Answer: -972

MCQ10: Expand and simplify (2x - 1)(x + 3)
Answer: x2+5x-3

MCQ11: Factorize completely . 9x2-24x-16
Answer: (3x-4)2

MCQ12: is equal to ____
Answer:

MCQ13: Find an equation whose roots are -2 and 1.
Answer: x2+x-2=0

MCQ14: When solving a linear system of equations, you are looking for which of the following?
Answer: Point(s) of intersection

MCQ15: A linear system of equations made up of two intersecting lines has _____ solution(s)
Answer: one

MCQ16: If the legs of a right triangle measure 5 and 12 cm respectively, the measure of the third side is
Answer: 13 cm

MCQ17: Â Which of the following is an equation of a circle?
Answer:

MCQ18: The set of all y=f(x) values of a relation is called the _____.Â
Answer: domian

MCQ19: If a system of equations has one solution, then the equations will have _____.
Answer: different slopes

MCQ20: Â The solution(s) of a Quadratic Equation is/are also sometimes called _____.
Answer: root(s)

MCQ21: The function completely factorized is _____.
Answer:

MCQ22: All the solution(s) for are ____
Answer:

MCQ23: Â What is the Leading Coefficient of

Answer: 6

MCQ24: What is the constant ofÂ
Answer: 5

MCQ25: Â
Answer: 5

MCQ26: Â What is the y-intercept of the line determined by the linear equation Â
Answer:

MCQ27: What is the slope of the linear equation: Â
Answer:

MCQ28: Â Which ordered pair(s) are all the y-intercept(s) of the equation:
Answer: . (0,1)

MCQ29: When is not positive?Â
Answer: never

MCQ30: Â What is the radius of the circle graphed by the equation: Â
Answer: 5

MCQ31: Â The square root of a number is the same as raising the number to the
Answer: (1/2) power

MCQ32: Â The x intercept of is _____.Â
Answer:

MCQ33: The domain of, will be any real number _____.
Answer:

MCQ34: Â Expand and express your answer in simplest complex form.
Answer: 11+7i

MCQ35: Â What is the minimum value of
Answer: -6

MCQ36: Solve: .
Answer:

MCQ37: Solve for x. .Â
Answer: 5and 1 only

MCQ38: Approximate the distance between the points (-3, 19), (-7, -5) to the nearest tenth:Â
Answer: 24.3

MCQ39: The number of elements in the Power set P(S) of the set S={[âˆ…], 1, [2,3]}

is
Answer: 4

MCQ40: If A and B are sets and A âˆª B =A âˆ© B, then Â
Answer: A=B

MCQ41: The union of the sets {1,2,5} and {1,2,6} is the set .....Â
Answer: {1,2,5,6}

MCQ42: The intersection of the sets {1,2,5} and {1,2,6} is the set â€¦â€¦â€¦â€¦Â
Answer: {1,2}

MCQ43: Â Two sets are called disjoint if their â€¦â€¦â€¦.. is empty set.Â
Answer: intersection

MCQ44: Â Which of the following two sets are disjoint?
Answer: {1,3,5}and{2,4,6}

MCQ45: Â The complement of the set A is â€¦â€¦..
Answer: element not in A but in the universal set

MCQ46: Â Individual objects in a set are called â€¦â€¦â€¦..
Answer: element

MCQ47: Â Set {x: x is an odd number between 10 and 18}
Answer: {11,13,15,17}

MCQ48: Â Polar form of a complex number is â€¦â€¦â€¦â€¦â€¦â€¦
Answer: r(cosÎ¸+ isinÎ¸)

MCQ49: a2 + b2 is equal to â€¦â€¦â€¦â€¦Â
Answer: (a+ib)(a-ib)

MCQ50: Â The solution of a quadratic equation x2 + 5x â€“ 6 = 0 is
Answer: x=1,x=-6