1) Find the zeroes of the following quadratic polynomial: x^2 - 2x - 8

2) Find the zeroes of the following quadratic polynomial $4s^2$ - 4s + 1

5) Find the zeroes of the following quadratic polynomial: t² - 15

Eleventh Grade - Algebra

(-2, 4)(7, 4)(2, -4)(5, 4)

 3/4 2/3 1/2 5/2
3) Find the zeroes of the following quadratic polynomial 6x² - 3 - 7x
 (-1/3, 7/2) (1/2, 3/2) (-1/2, 3/2) (-1/4, 5/8)
4) Find the zeroes of the following quadratic polynomial: 4u ² + 8u
 (0, 3) (5, 0) (0, -2) (0, -1)

- ±?19
- ±?15
- ±?11
- ±?18
- 6) Find the zeroes of the following quadratic polynomial $3x^2 x 4$
 - (4/3, 1)
 - (2/3, -1)
 - (2/3, -2)
 - (7/3, 1)
- 7) Find a quadratic polynomial each with the given numbers as the sum and product of its zeroes respectively 1/4, -1
 - 8x² 4x -7
 - $6x^2 x 2$
 - $4x^2 x 1$
 - 6x2 3x -1
- 8) Find a quadratic polynomial each with the given numbers as the sum and product of its zeroes respectively ?2, 1/3
 - $7x^2 6?2x + 5$
 - $3x^2 3?2x + 1$
 - $4x^2 5?2x + 4$
 - $3x^2 4?2x + 2$
- 9) Find a quadratic polynomial each with the given numbers as the sum and product of its zeroes respectively 0, ?5
 - $x^2 + ?7$
 - $x^2 + ?5$
 - $2x^2 + ?5$

- $x^2 + ?8$
- 10) Find a quadratic polynomial each with the given numbers as the sum and product of its zeroes respectively: 1, 1
 - $x^2 + x + 9$
 - $x^2 2x + 3$
 - $x^2 2x + 8$
 - $x^2 x + 1$
- 11) Find a quadratic polynomial each with the given numbers as the sum and product of its zeroes respectively: -1/4, 1/4
 - $4x^2 + 5x + 5$
 - $4x^2 + x + 1$
 - 4x² x 1
 - $4x^2 + 4x + 1$
- 12) Find a quadratic polynomial each with the given numbers as the sum and product of its zeroes respectively: 4, 1
 - $2x^2 4x + 5$
 - $3x^2 4x + 3$
 - $x^2 4x + 1$
 - $2x^2 5x + 3$
- 13) Given the linear equation 2x + 3y 8 = 0; write another linear equation in two variables such that the geometrical representation of the pair so formed is Intersecting lines.
 - 8x + 9y 18 = 0
 - 6x + 7y 8 = 0
 - 4x + 4y 8 = 0
 - 4x + 12y 3 = 0

14) Given the linear equation 2x + 3y - 8 = 0; write another linear equation in two variables such that the geometrical representation of the pair so formed is Parallel lines.

•
$$7x + 7y - 7 = 0$$

•
$$5x + 6y - 10 = 0$$

•
$$4x + 6y - 12 = 0$$

•
$$7x + 8y - 12 = 0$$

15) Given the linear equation 2x + 3y - 8 = 0; write another linear equation in two variables such that the geometrical representation of the pair so formed is Coincident lines

•
$$4x + 9y - 12 = 0$$

•
$$5x + 7y - 10 = 0$$

•
$$9x + 6y - 10 = 0$$

•
$$4x + 6y - 16 = 0$$

- 16) Solve the following pair of linear equations by the substitution method. x + y = 14 and x y = 4
 - (8, 7)
 - (5,9)
 - (7, 8)
 - (9, 5)
- 17) Solve the following pair of linear equations by the substitution method. s-t=3 and s/3+t/2=6
 - (9, 6)
 - (4, 7)
 - (7, 10)
 - (7, 8)
- 18) Solve the following pair of linear equations by the substitution method. 3x y = 3 and 9x 3y = 9

- (4, 6)
- (7, 9)
- (3, 1)
- No solution

19) Solve the following pair of linear equations by the substitution method. 0.2x + 0.3y = 1.3 and 0.4x + 0.5y = 2.3

- (2, 3)
- (5, 3)
- (4, 5)
- (5, 7)

20) Solve the following pair of linear equations by the substitution method ?2x + ?3y = 0 and ?3x - ?8y = 0

- (1, -1)
- (1, 1)
- (0, 0)
- (0, 1)

21) Check whether $(x + 1)^2 = 2(x - 3)$ is

- Can't determine
- Not an Quadratic equation
- Quadratic equation
- · Data inadequate

22) Check whether $x^2 - 2x = (-2)(3 - x)$ is

- Not an Quadratic equation
- · Can't determine
- · Data inadequate

Quadratic equation

23) Check whether
$$(x-2)(x+1) = (x-1)(x+3)$$

- Quadratic equation
- Can't determine
- Not an Quadratic equation
- Data inadequate

24) Check whether
$$(x-3)(2x+1) = x(x+5)$$
 is

- Not an Quadratic equation
- · Data inadequate
- · Can't determine
- · Quadratic equation

25) Check whether
$$(2x-1)(x-3) = (x+5)(x-1)$$
 is

- · Data inadequate
- · Can't determine
- · Quadratic equation
- Not an Quadratic equation

26) Check whether
$$x^2 + 3x + 1 = (x - 2)^2$$
 is

- Can't determine
- · Quadratic equation
- Not an Quadratic equation
- · Data inadequate

27) Check whether
$$(x + 2)^3 = 2x (x^2 - 1)$$
 is

6/7

- · Data inadequate
- Not an Quadratic equation
- Can't determine
- · Quadratic equation
- 28) Check whether $x^3 4x^2 x + 1 = (x 2)^3$ is
 - · Quadratic equation
 - Not an Quadratic equation
 - Data inadequate
 - Can't determine
- 29) The area of a rectangular plot is 528 m². The length of the plot (in meters) is one more than twice its breadth. We need to find the length and breadth of the plot.

•
$$2x^2 + x - 528 = 0$$

•
$$2x^2 + 3x - 528 = 0$$

•
$$4x^2 + 3x - 528 = 0$$

•
$$3x^2 + 3x - 528 = 0$$

30) The product of two consecutive positive integers is 306. We need to find the integers.

•
$$3x^2 + 2x - 306 = 0$$

•
$$2x^2 + 2x - 306 = 0$$

•
$$x^2 + x - 306 = 0$$

•
$$x^2 + 2x - 306 = 0$$