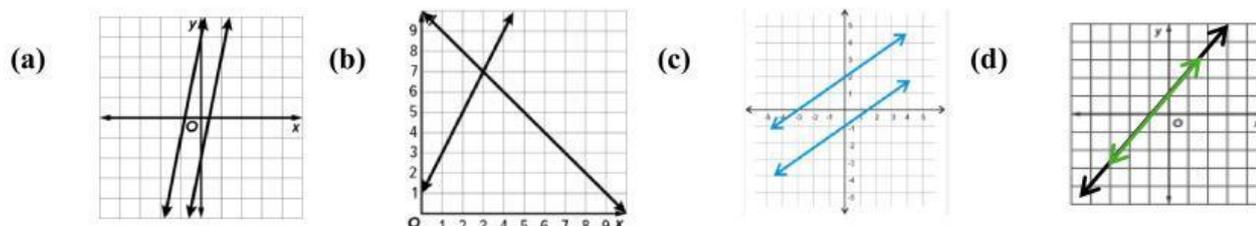


Note: Solve the questions step-wise-step and get the final. Only answers will not be allowed.

Q.1: A system of two linear equations has No solutions. Which one is true about the graphs of the two equations?

- (a) The lines have the same slope and the same y-intercept.
- (b) The lines have the same slope and different y-intercepts.
- (c) The lines have different slopes and the same y-intercept.
- (d) The lines have different slopes and different y-intercepts.

Q.2: Which of the following graph represents Infinitely many solutions:



Q 3: The sum of two numbers is 24. Their difference is 8. Write and solve a system of equations and then find the two numbers.

Q.4: Which of the following is the solution of the system of equations:

$$\begin{aligned} y &= 3x + 5 \\ y &= 2x \end{aligned}$$

- (a) (10, 5) (b) (- 5, 10)
- (c) (5, 10) (d) (- 5, - 10)