1. What is the condition for a pair of linear equations to have a unique solution?
   A. $a_1/a_2 = b_1/b_2$ B. $a_1/a_2 \neq b_1/b_2$
   C. $a_1/a_2 = b_1/b_2 = c_1/c_2$ D. $a_1/a_2 = b_1/b_2 \neq c_1/c_2$
   (B)
Explanation : If $a_1/a_2 \neq b_1/b_2$, the lines intersect at one point, hence the pair has a unique solution.

2. Which method involves replacing one variable in terms of the other and substituting into another equation?
   A. Graphical Method
   B. Substitution Method
   C. Elimination Method
   D. Cross Multiplication Method (B)
Explanation : Substitution method expresses one variable in terms of another and substitutes it into the second equation.

3. What do coincident lines represent in terms of solutions?
   A. No solution B. Unique solution
   C. Infinitely many solutions
   D. Cannot be determined (C)
Explanation : Coincident lines lie on top of each other and share all points, hence have infinitely many solutions.

4. If $a_1/a_2 = b_1/b_2 \neq c_1/c_2$, what is the nature of the pair of linear equations?
   A. Inconsistent
   B. Consistent with unique solution
   C. Consistent with infinite solutions
   D. Cannot be determined (A)
Explanation : When $a_1/a_2 = b_1/b_2$ but $\neq c_1/c_2$, the lines are parallel and have no solution, making them inconsistent.

5. In the elimination method, what is the first step?
   A. Substitute one variable
   B. Multiply both equations to equalize coefficients
   C. Draw graph
   D. Eliminate constants (B)
Explanation : In the elimination method, we first multiply both equations to make coefficients of one variable equal.

6. What type of graph is obtained when equations are inconsistent?
   A. Intersecting lines B. Parallel lines
   C. Coincident lines D. Circular lines (B)
Explanation : Inconsistent equations have no solution and are represented by parallel lines on the graph.

7. In Champa's problem, what are the equations formed if she buys pants and skirts? Answer: B
   A. $y = 2x, y = 4x$
   B. $y = 2x - 2, y = 4x - 4$
   C. $y = x - 1, y = x + 1$
   D. $y = 3x - 3, y = 5x - 5$ (B)
Explanation : The number of skirts is two less than twice and also four less than four times the pants, giving the two equations.

8. What does the graphical method involve?
   A. Solving algebraic expressions
   B. Plotting lines and identifying intersection
   C. Using matrix operations
   D. Calculating derivatives (B)
Explanation : Graphical method requires drawing the lines of the equations and identifying their point of intersection.

9. What kind of statement indicates infinitely many solutions in substitution or elimination methods?
   A. True statement without variable
   B. False equation
   C. Contradiction D. Both A and C (A)
Explanation : If the simplified result is a true statement with no variable, it means the equations have infinite solutions.

10. In Aftab's age problem, what is the final age of his daughter?
   A. 14 years B. 12 years
   C. 10 years D. 8 years (B)
Explanation : Solving the equations $s - 7 = 7(t - 7)$ and $s + 3 = 3(t + 3)$, we get the daughter's age as 12 years.