

Class 10 Mathematics - Pair of Linear Equations in Two Variables

Name: _____

Date: _____

Easy Worksheet 3

Questions

1. State the condition for intersecting lines using ratios.
2. State the condition for parallel lines using ratios.
3. State the condition for coincident lines using ratios.
4. If $a_1/a_2 \neq b_1/b_2$, how many solutions exist?
5. If $a_1/a_2 = b_1/b_2 \neq c_1/c_2$, how many solutions exist?
6. If $a_1/a_2 = b_1/b_2 = c_1/c_2$, how many solutions exist?

Answer Key

1. $a_1/a_2 \neq b_1/b_2$
2. $a_1/a_2 = b_1/b_2 \neq c_1/c_2$
3. $a_1/a_2 = b_1/b_2 = c_1/c_2$
4. One
5. Zero
6. Infinitely many