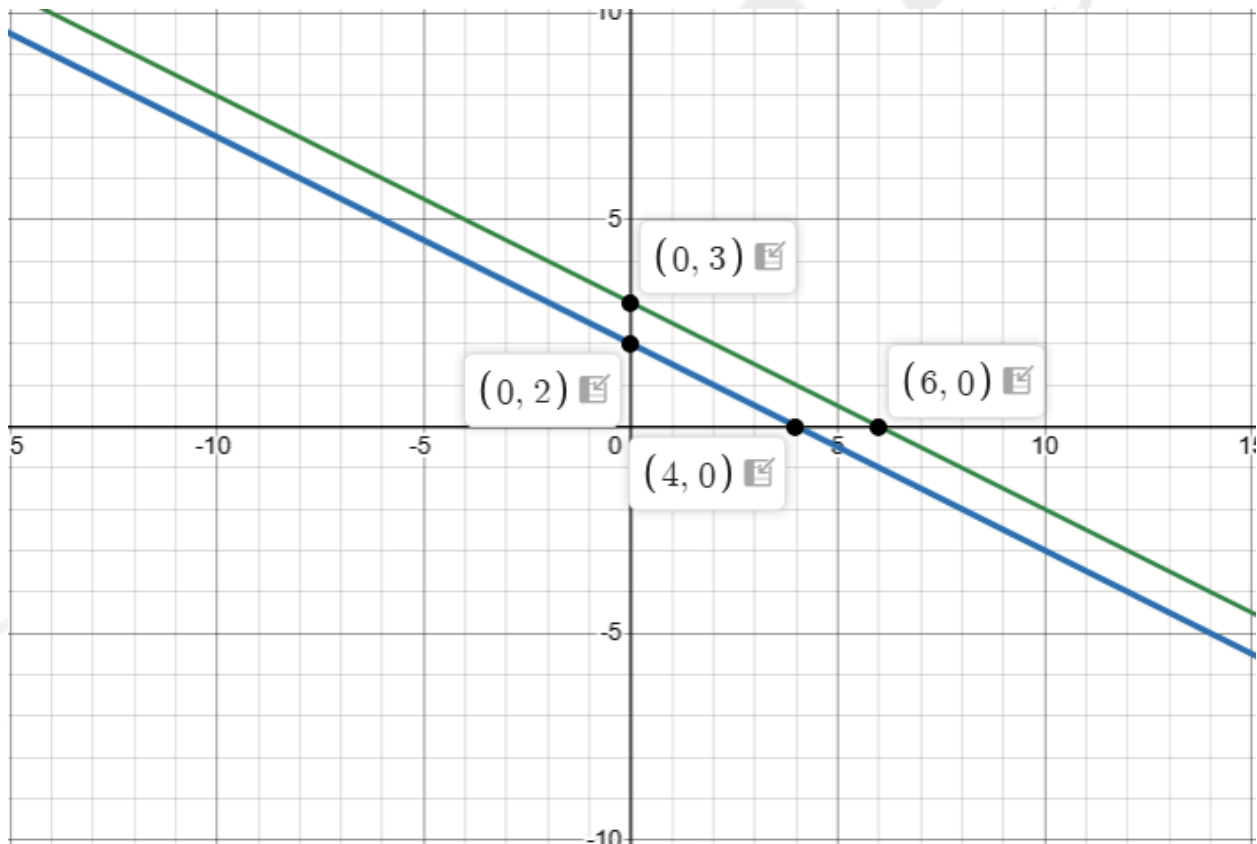


Class 10 Mathematics - Pair of Linear Equations in Two Variables

Name: _____

Date: _____

Medium Worksheet 3



Credit: Desmos.com

Questions

1. What type of lines are shown?
2. Do the lines intersect?
3. How many solutions does the pair have?
4. Is the pair consistent or inconsistent?
5. State the relationship among a_1/a_2 , b_1/b_2 and c_1/c_2 .
6. Why does the system have no solution?

Answer Key

1. Parallel lines
2. No
3. Zero
4. Inconsistent
5. $a_1/a_2 = b_1/b_2 \neq c_1/c_2$
6. The lines never meet.