

## Worksheet: Pair of Linear Equations in Two Variables

NIOS · Class 10 · Mathematics · 4 questions · 10 marks

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 10

**Q1.** What is the condition for a pair of linear equations to have NO solution? [1 mark]

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**Q2.** Solve:  $x + y = 5$  and  $x - y = 1$ . [1 mark]

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**Q3.** Solve by elimination:  $2x + 3y = 7$  and  $4x - y = 5$ . [3 marks]

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**Q4.** A boat travels 30 km downstream in 2 hours and 18 km upstream in 2 hours. Find the speed of the boat in still water and the speed of the stream. [5 marks]

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