Linear equations in two variables for Grade 9

Practice worksheet - Maths · Grade 9

Name: _____ Date: _____

Show your working. Answers are not included in this copy.

Try each task before opening its answer. Give an example or reason, not only a label.

Write an answer and your reason before opening the explanation. Check the reasoning as well as the final answer.

1. Does (1, 2) satisfy x+y=3?

2. Does (2, 1) satisfy 2 x+y=4?

3. For x+y=7 and x=3, find y.

4. For 3 x+y=12 and y=0, find x.

5. Is xy=5 linear?

6. Is x^2+y=5 linear?

7. Is y=−2 horizontal or vertical?

8. Is x=−2 horizontal or vertical?

Practice continued

9. Find the y-intercept of x+2 y=8.

10. Find the x-intercept of x + 2y = 8.

11. What does (−1, 5) mean?

12. How many real solutions does x+y=4 have?

13. Can a ticket-count solution use −3 tickets?

14. Why calculate a third point after finding two?