Problems for Day 1
Types of solutions

2025-08-18

Here are a few quick problems for you to think about. Don't forget that there's also one MyOpenMath problem for you to do for actual credit! Problem #3 on this sheet is a lot like that.

1) Activity 1.3 part (a) from our text

2) Activity 1.3 part (b) from our text

3) Consider the system
$$2x + 3y = 3$$
$$ax + y = c.$$

Find values of a and c such that

   a) The system has exactly one solution
   b) The system has infinitely many solutions
   c) The system has no solutions.

Be sure to think geometrically - it might even help to draw a graph!