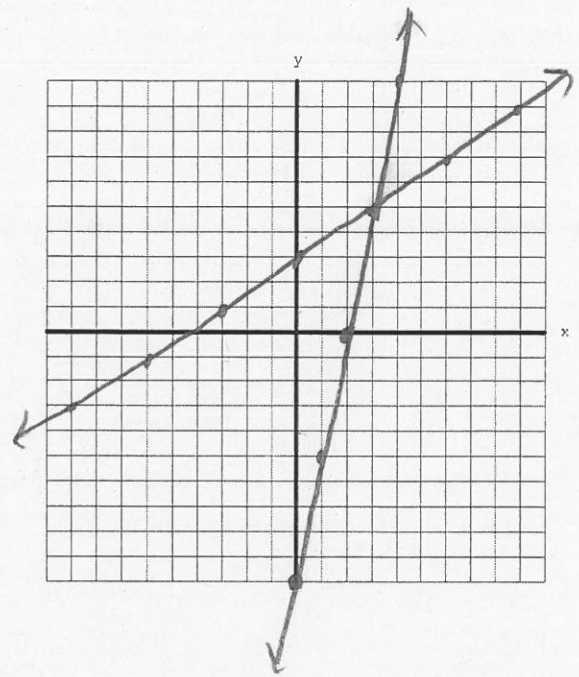


Solve the system by graphing.

$$4x - 6y = -18 \Rightarrow y = \frac{2}{3}x + 3$$

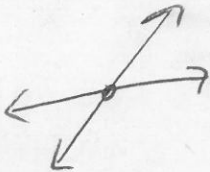
$$-10x + 2y = -20$$

$(3, 5)$

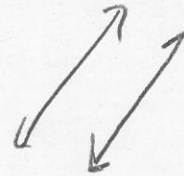


Draw a sketch of each of the following:

1. A system of linear equations with one solution.



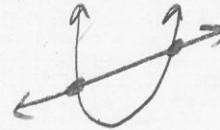
2. A system of linear equations with no solution.



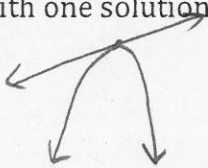
3. A system of linear equations with infinite solutions.



4. A system of one linear equation and one quadratic equation with two solutions.



5. A system of one linear equation and one quadratic equation with one solution.



6. A system of one linear equation and one quadratic equation with no solution.



7. Can you have a system of two quadratic equations?

yes

8. If yes (to question 7), draw as many possible solutions as you can think of. →



9. If no (to question 7), explain why not.