## Day 2: Practice Solving Systems with Multiple Representations

Last class we learned that the SOLUTION to a SYSTEM OF EQUATIONS is where the graphs INTERSECT on a coordinate plane, and where the $x$ - and $y$-values are the SAME in a table.

Jaylen is planning a garden for the summer. At a nursery, he purchases four tomato plants and two sunflower plants which totals to $\$ 8$. Persephone, the owner of the nursery, notices that one sunflower plant costs the same as one tomato plant plus $\$ 1$. How much does each type of plant cost?

Your Task:

- Represent this problem with equations, tables, and a graph.
- Use each representation to find the solution. Check your work.



## Solving Systems of Linear Equations by Graphing

There are three types of Solution:


Solution: $\qquad$
Solution: $\qquad$

Example 3: Solve.

$$
\begin{aligned}
& y=-2 x+1 \\
& y=-2 x-1
\end{aligned}
$$



Solution: $\qquad$ Solution: $\qquad$

