**Error Analysis – Solving Equations**

**Problem:**



Three friends were studying for their math test. They each had different ideas about how to solve the problem. This is their work.

* Tell which strategies can be used to correctly solve the problem.
* Which student solved the problem correctly?
* Explain what the other two students did incorrectly.

|  |  |  |
| --- | --- | --- |
| Katherine | Rex | Charlie |
|  |  |  |
| I chose choice D since the  x-value of the point of intersection is 2. | I chose choice A since the  x-value of the point of intersection is -3. | I chose choice C since when I solved the equation algebraically I got x = . |

I chose choice C since when I solved the equation algebraically I got x = 

I chose choice A since the y-value of the point of intersection is -3.

I chose choice D since the x-value of the point of intersection is 2.