1) Find the solution of the following linear systems. Remember that you will need to determine the slope and y-intercept of each line first. ➄ each.

/48 or Level:

a) b)

Sketch: Sketch:

Point of Intersection: Point of Intersection:

c) d)

Sketch: Sketch:

Point of Intersection: Point of Intersection:

2) Solve the following linear systems using algebra. Mr. Smith has provided a table for you for the first few.

|  |  |
| --- | --- |
| a) ➀  ➁ | |
| 1) Set the equations equal, and solve for “x” | 2) Sub your value for “x” into either equation |
|  |  |
| Point of Intersection = ( , ) | |

|  |  |
| --- | --- |
| b) ➀  ➁ | |
| 1) Set the equations equal, and solve for “x” | 2) Sub your value for “x” into either equation |
|  |  |
| Point of Intersection = ( , ) | |

|  |  |
| --- | --- |
| c) ➀  ➁ | |
| 1) Set the equations equal, and solve for “x” | 2) Sub your value for “x” into either equation |
|  |  |
| Point of Intersection = ( , ) | |

|  |  |
| --- | --- |
| d) ➀  ➁ | |
| 1) Set the equations equal, and solve for “x” | 2) Sub your value for “x” into either equation |
|  |  |
| Point of Intersection = ( , ) | |

|  |  |
| --- | --- |
| e) ➀  ➁ | |
| 1) Set the equations equal, and solve for “x” | 2) Sub your value for “x” into either equation |
|  |  |
| Point of Intersection = ( , ) | |

3) Solve the following linear systems. Mr. Smith has not given you the structure for these.

f) ➀

➁

g) ➀

➁

Point of Intersection = ( , ) Point of Intersection = ( , )

h) ➀

➁

i) ➀

➁

Point of Intersection = ( , ) Point of Intersection = ( , )