Solve the following linear systems using our new method!

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| a)$4x-5y=3$ ➀$3x+5y=11$ ➁ | Add/Subtract | b)$5x-y=6$ ➀$2x+y=8$ ➁ | Add/Subtract |
| Do the Addition/Subtraction: | Sub into equation ➀ or ➁ | Do the Addition/Subtraction: | Sub into equation ➀ or ➁ |
| Solution: ( , ) | Solution: ( , ) |

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| --- | --- | --- | --- |
| c)$10x+3y=7$ ➀$8x+3y=5$ ➁ | Add/Subtract | d)$5x+4y=18$ ➀$7x+4y=22$ ➁ | Add/Subtract |
| Do the Addition/Subtraction: | Sub into equation ➀ or ➁ | Do the Addition/Subtraction: | Sub into equation ➀ or ➁ |
| Solution: ( , ) | Solution: ( , ) |

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| --- | --- | --- | --- |
| e)$2x+5y=20$ ➀$2x+3y=16$ ➁ | Add/Subtract | f)$4x+6y=46$ ➀$-4x+y=3$ ➁ | Add/Subtract |
| Do the Addition/Subtraction: | Sub into equation ➀ or ➁ | Do the Addition/Subtraction: | Sub into equation ➀ or ➁ |
| Solution: ( , ) | Solution: ( , ) |

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| --- | --- | --- | --- |
| g)$0.5x-0.3y=0.2$ ➀$0.7x+0.3y=1$ ➁ | Add/Subtract | h)$3x-2y=3.5$ ➀$x+2y=2.5$ ➁ | Add/Subtract |
| Do the Addition/Subtraction: | Sub into equation ➀ or ➁ | Do the Addition/Subtraction: | Sub into equation ➀ or ➁ |
| Solution: ( , ) | Solution: ( , ) |

Answers: a) (2, 1) b) (3, 4) c) (1, -1) d) (2, 2)

 e) (5, 2) f) (1, 7) g) (1, 1) h) (1.5, 0.5)