Solving Systems with No/Infinite Solutions

Solve each system of equations using substitution. There will be some “no solutions”, “infinite solutions”, and fractions.

1. y = -2x + 14

3x – 7y = 4

1. 8x + 12y = 60

2x + 3y = -24

1. 12x + y = 21

18x – 3y = -36

1. 5x – y = -3

-5x – y = -33

1. 2x – 5y = -5

-2x + 8y = -58

1. -4y = x

2x + 6y = -3

1. y + 3x = -21

x = 3y + 3

1. x – 2y = -8

4x = 8y – 56

1. 2x + 6y = -8

5x – 3y = 88

10. 3x – y = - 6

6x – 2y = -12