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Review of Systems of Equations

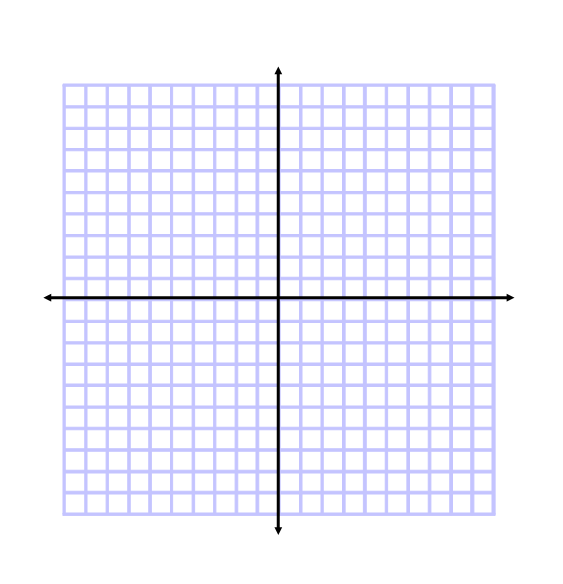
There are multiple methods for solving systems of equations.

Our toolbox includes:

1. - is best when the equations are in slope-intercept form and cross at an exact point.

2. - is best when you know what x or y is and you can plug it into the other problem.

3. - is best when the equations are in standard form.



1. Solve by graphing.

y = (2/3)x – 4

y = x + 1

2. Solve using Substitution

4x - 4y = 8

y = 8x + 19

3. Solve using Substitution

x + 2y = 6

3x - 4y = 28

4. Solve using Elimination

4x + 8y = 20

2y −4x = −3

5. Solve using Elimination

−6x + 6y = 6

−6x + 3y = −1

6. Solve using Elimination

8x + 14y = 4

−6x − 7y = −1

7. Solve using Elimination

2x + 8y = 6

−5x − 20y = −1