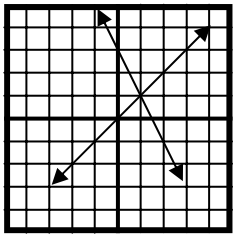
Graphing

Systems of Equations



Graphing Systems of Equations

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Systems of Equations 2

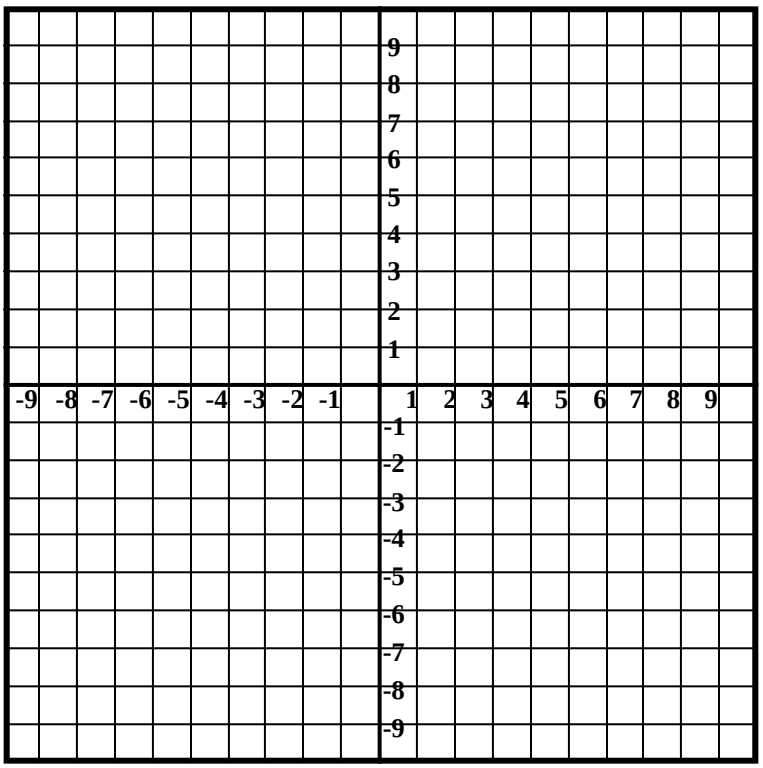
Directions: Read each set of words below, write the corresponding equations, and use the t-table to graph at least five ordered pairs that are solutions to each equation. Then graph these points and draw the line that represents all of the solutions for each equation. Finally, write the slope, y-intercept, and the solution to this system of equations.

Words: Sally is fifteen years less than three times as old as her brother Joe.	Words: The sum of Joe's age and Sally's age is 13.
(Let x = Joe's age) (Let y = Sally's age) Equation:	(Let x = Joe's age) (Let y = Sally's age) Equation:

x	y

Slope _____

y– intercept _____



x	y

Slope _____

y– intercept _____

Solution: (____, ____)

Graphing Systems of Equations

Answer Key

Systems of Equations 2

Directions: Read each set of words below, write the corresponding equations, and use the t-table to graph at least five ordered pairs that are solutions to each equation. Then graph these points and draw the line that represents all of the solutions for each equation. Finally, write the slope, y-intercept, and the solution to this system of equations.

Words: Sally is fifteen years less than three times as old as her brother Joe.

(Let x = Joe's age) (Let y = Sally's age)
Equation:

y = 3x - 15

x	y
2	-9
3	-6
4	-3
5	0
6	3
7	6
8	9

Slope **__3__**

y– intercept **_-15_**

Words: The sum of Joe's age and Sally's age is 13.

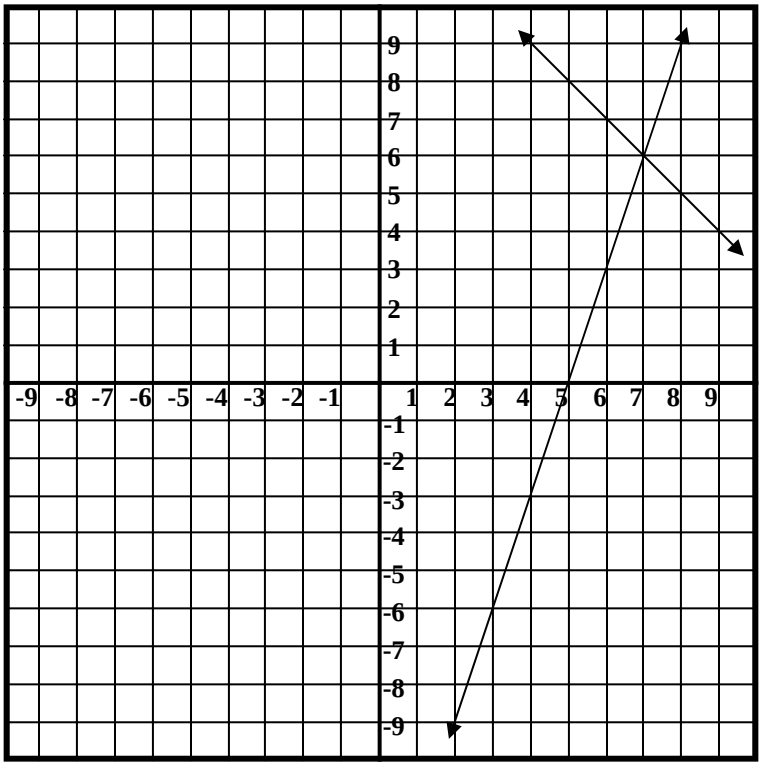
(Let x = Joe's age) (Let y = Sally's age)
Equation:

x + y = 13

x	y
4	9
5	8
6	7
7	6
8	5
9	4

Slope **__-1__**

y– intercept **_13_**



Solution: (7, 6)

Graphing Systems of Equations

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Systems of Equations

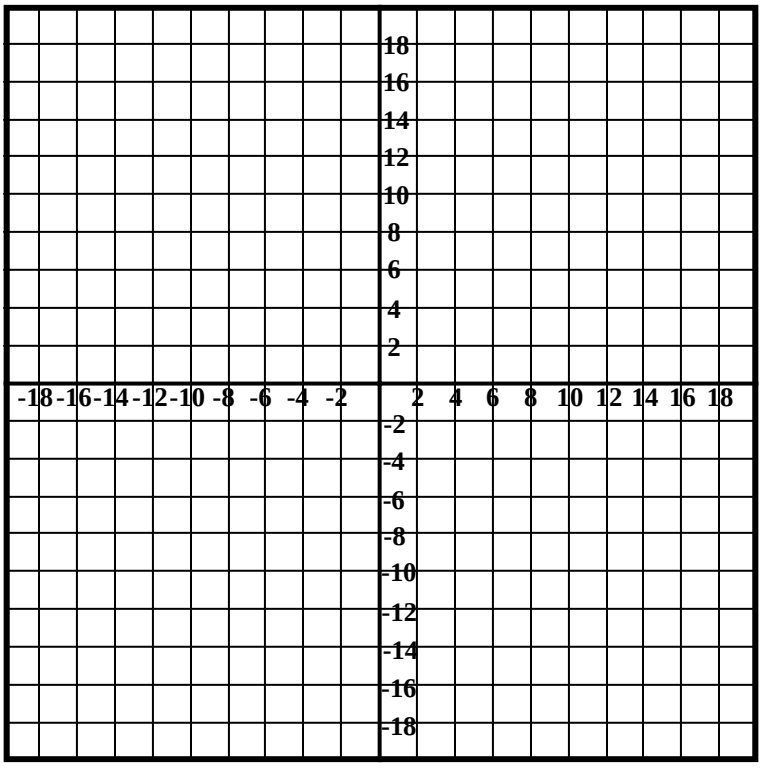
Directions: Read each set of words below, write the corresponding equations, and use the t-table to graph at least five ordered pairs that are solutions to each equation. Then graph these points and draw the line that represents all of the solutions for each equation. Finally, write the slope, y-intercept, and the solution to this system of equations.

Words:	Words:
(Let x = _____) (Let y = _____) Equation:	(Let x = _____) (Let y = _____) Equation:

x	y

Slope _____

y– intercept _____



x	y

Slope _____

y– intercept _____

Solution: (____, ____)