

Ready, Set, Go!**Ready**

Topic: Solve and justify one variable equations



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Solve each equation, justifying each step you use.

1. $8x - 10 = x + 11$ | Justification

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2. $5p - 2 = 32$ | Justification

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3. $10(y + 5) = 10$ | Justification

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4. $3x + 9 = 44 - 2x$ | Justification

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Set

Topic: Understanding variables

5. Use the task Serving Up Symbols to complete the table below.

Expression	Description
$\frac{C}{L}$	
$\frac{C}{W}$	
$\frac{F}{L}$	
	Total beverages served in the cafeteria per day
	Average number of food items per week
	The average number of food items served per minute

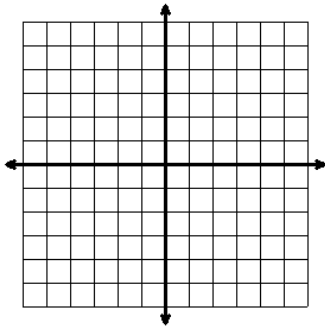


Go

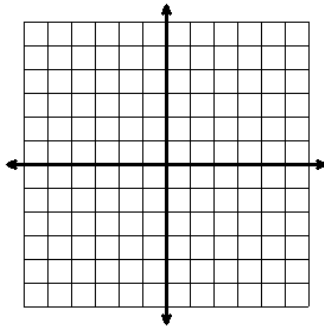
Topic: Graph linear equations

Graph each equation.

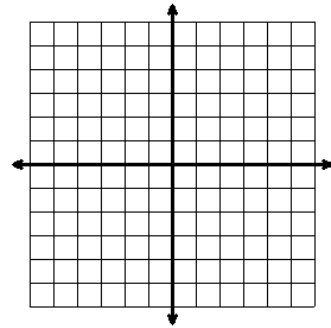
6. $y = 3x + 1$



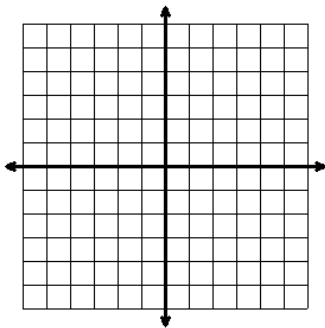
7. $y = -2x + 3$



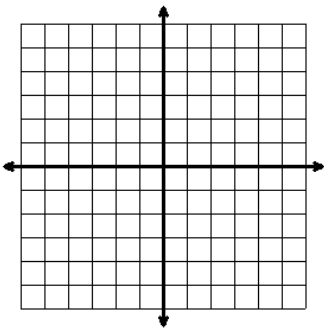
8. $y = \frac{1}{2}x - 5$



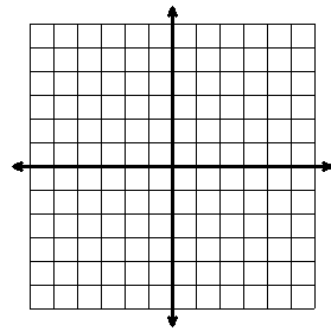
9. $y = -\frac{2}{3}x + 2$



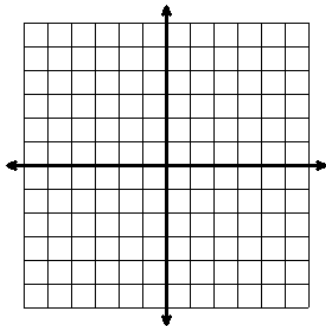
10. $y = 2x - 1$



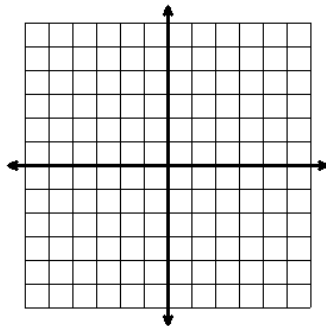
11. $y = -\frac{1}{2}x + 4$



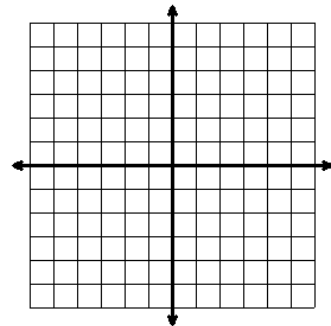
12. $y = 4x + 2$



13. $y = 2x$



14. $y = -3x + 5$



Need help? Online resources that may be helpful:

<http://www.khanacademy.org/math/algebra/solving-linear-equations/v/solving-equations-1>

<http://www.khanacademy.org/math/algebra/linear-equations-and-inequalitie/v/graphing-a-line-in-slope-intercept-form>

<http://www.youtube.com/watch?v=WXzpisUh0AU>

