

Ready, Set, Go!



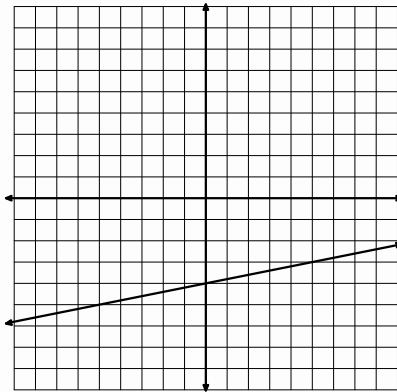
© 2012 www.flickr.com/photos//dugspr

Ready

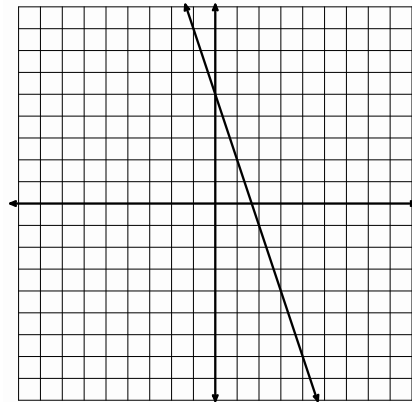
Topic: Graphing two variable inequalities

For each inequality and graph, pick a point and use it to determine which half-plane should be shaded, then shade the correct half-plane.

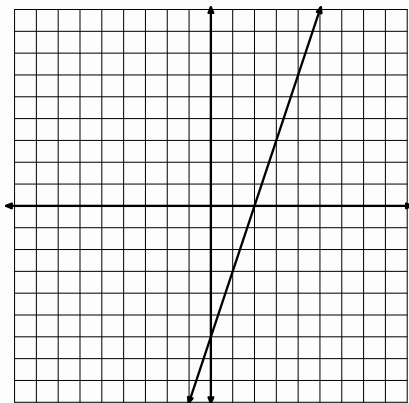
1. $y \leq \frac{1}{5}x - 4$



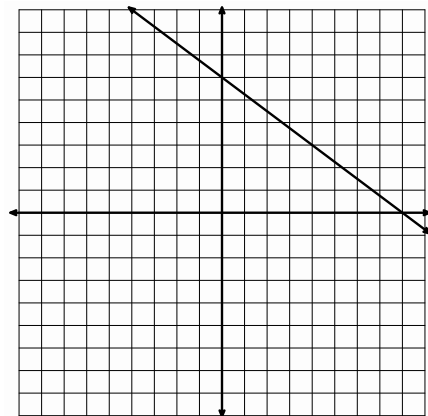
2. $y \geq -3x + 5$



3. $5x - 2y \leq 10$



4. $3x + 4y \geq 24$

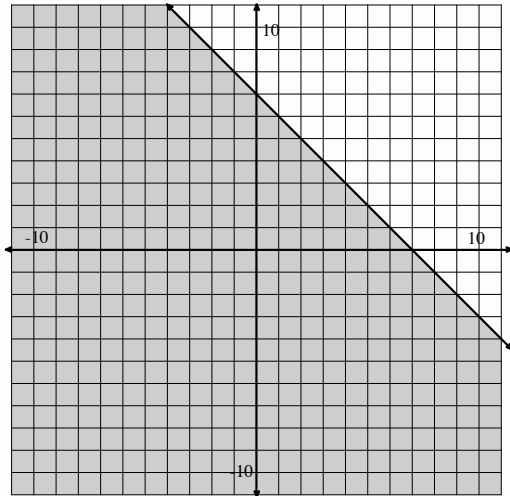


Set

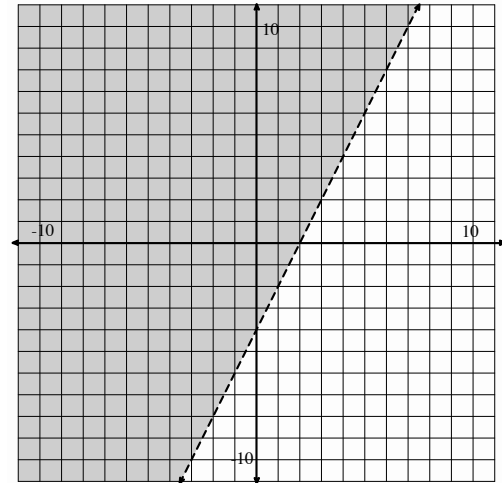
Topic: Writing two variable inequalities

Given the graph with the regions that are shaded write the inequality or system of inequalities.

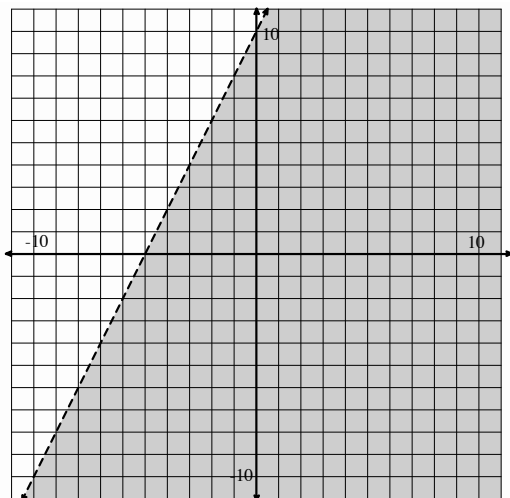
5.



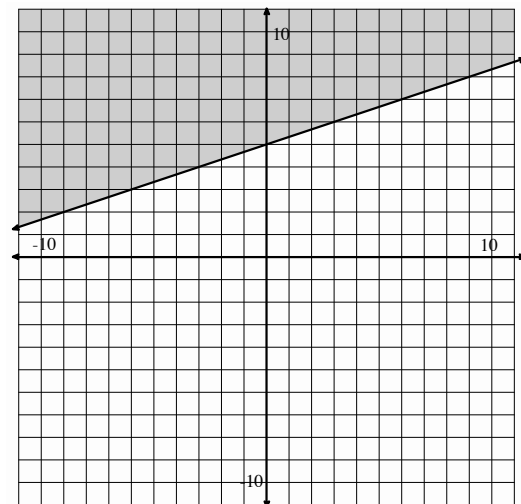
6.



7.



8.



Go

Topic: Proportional relationships

For each proportional relationship below, one representation is provided. Show the remaining representations and explain any connections you notice between representations.

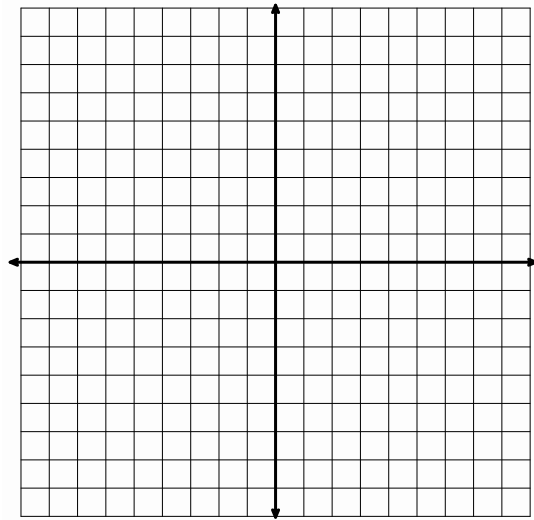
9. Equation:

Table

Days	Cost
1	8
2	16
3	24
4	32

Create a context

Graph



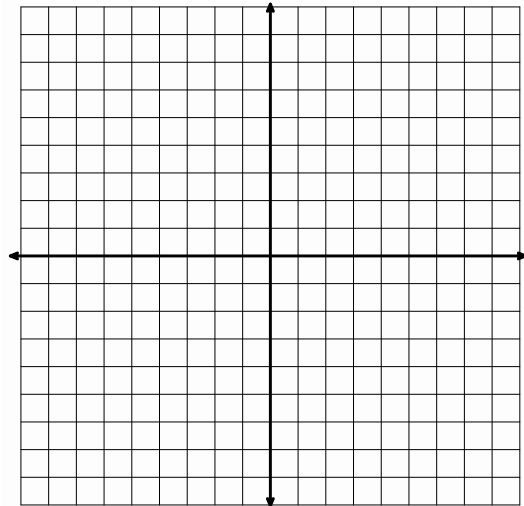
10. Equation:

Table

Create a context

Claire earns \$9 per week allowance.

Graph



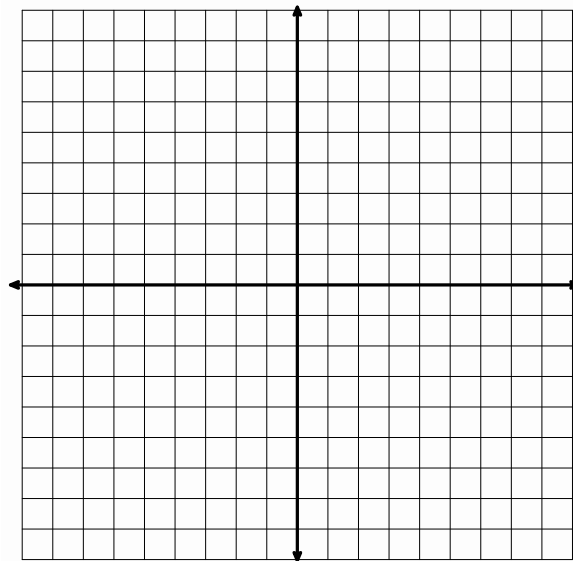
11. Equation: $y = 3x$

Table

--	--

Create a context

Graph



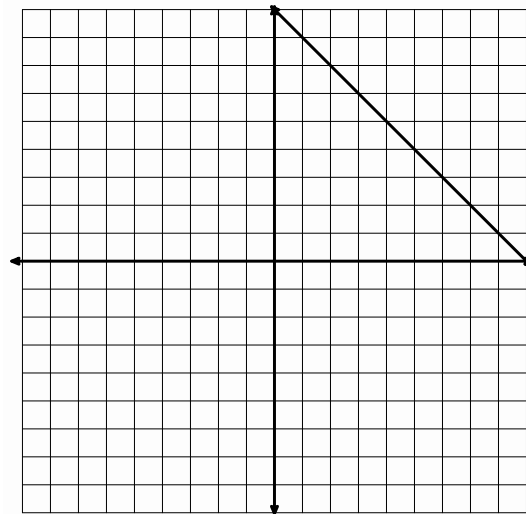
12. Equation:

Table

Days	Cost

Create a context

Graph



Need Help? Check out these related videos.

<http://www.khanacademy.org/math/algebra/linear-equations-and-inequalitie/v/graphing-linear-inequalities-in-two-variables-3>

