

Ready, Set, Go!



Ready

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Topic: Determine patterns

Find the next two values in the pattern. Describe how you determined these values.

1. 3, 6, 9, 12, ____, ____ description:
2. 3, 6, 12, 24, ____, ____ description:
3. 24, 20, 16, 12, ____, ____ description:
4. 24, 12, 6, 3, ____, ____ description:

Set

Topic: Solve systems of equations using substitution

Solve the system of equations using substitution. Justify graphically.

5. $y = x + 5$ and
 $y = -\frac{1}{3}x + 1$
6. $y = -2x + 2$ and
 $y = \frac{1}{2}x - 3$
7. $y = -x$ and
 $y = 2x - 3$
8. $y = \frac{1}{2}x + 3$ and
 $y = -5x + 3$
9. $y = x$ and
 $y = -\frac{1}{3}x - 4$
10. $y = -x + 1$
 $y = 2x + 1$

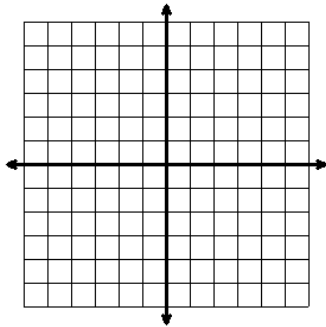


Go

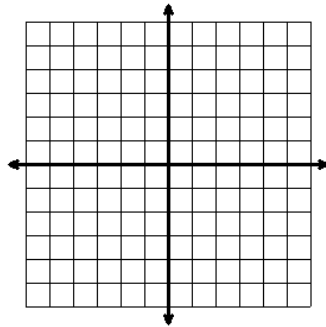
Topic: Graph two variable inequalities

Graph the following inequalities.

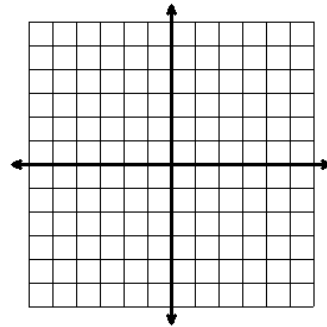
8. $y \leq 3x - 4$



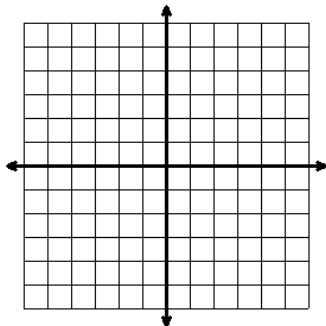
9. $y \leq -2x + 3$



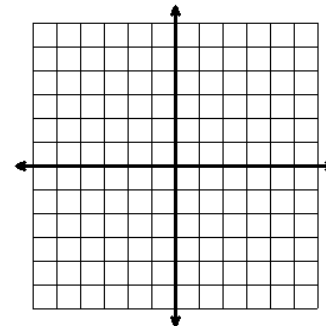
10. $y \geq 4x - 3$



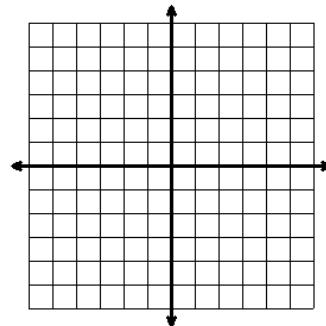
11. $3x + 4y < 12$



12. $5x + 4y \leq 25$



13. $6x + 8y \leq 24$



Need help? Check out these related videos.

<http://www.khanacademy.org/math/algebra/systems-of-eq-and-ineq/v/solving-systems-by-substitution-3><http://www.khanacademy.org/math/algebra/linear-equations-and-inequalitie/v/solving-and-graphing-linear-inequalities-in-two-variables-1><http://www.khanacademy.org/math/algebra/linear-equations-and-inequalitie/v/graphing-inequalities-2>