

Ready, Set, Go!



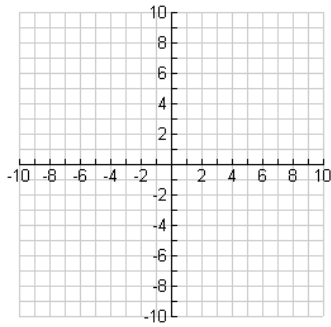
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Ready

Topic: Graphing linear relationships

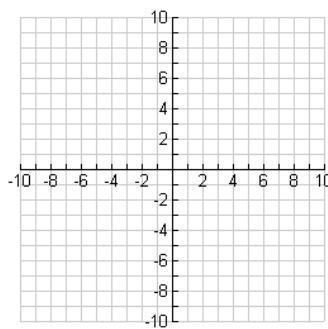
Graph each table or equation.

1. $y = 3x - 5$

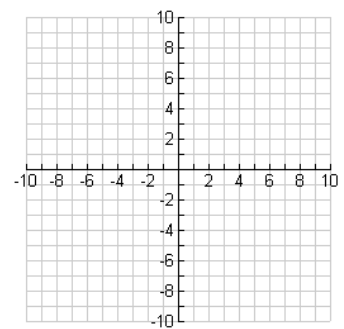


2.

X	Y
-1	5
0	7
1	9
2	11

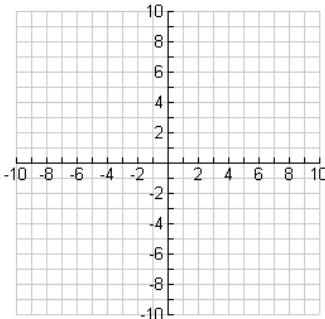


3. $y = -2x$

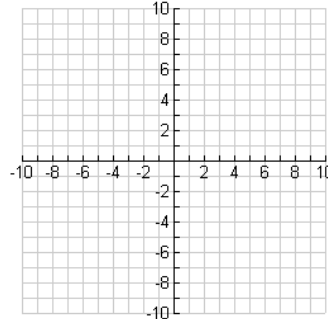


4.

X	Y
-5	-1
10	2
-30	-6
25	5



5. $y = 6x - 7$



Set

Topic: Matrix Arithmetic

Perform each of the operations indicated on the matrices below.

$$7. \begin{bmatrix} -3 & 5 \\ 4 & -7 \end{bmatrix} + \begin{bmatrix} 8 & 9 \\ -6 & -5 \end{bmatrix} \quad 8. \begin{bmatrix} 11 & -12 \\ -4 & 6 \\ 5 & 8 \end{bmatrix} - \begin{bmatrix} 1 & -20 \\ -15 & 9 \\ 2 & -2 \end{bmatrix}$$

$$9. 5 \times \begin{bmatrix} 4 & -2 & 9 \\ 5 & 7 & -8 \end{bmatrix} \quad 10. \begin{bmatrix} 6 & 7 & 8 \\ -3 & 5 & -2 \end{bmatrix} + 4 \begin{bmatrix} -7 & 2 & 1 \\ 1 & -2 & -5 \end{bmatrix}$$

Go

Topic: Evaluating Expressions

Evaluate each expression below given $x = 7$, $y = -3$ and $z = 5$

$$11. \frac{xy - z}{2}$$

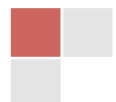
$$12. 5x - 2^3 + (2y + z)^4$$

$$13. \frac{(z - 3)^6}{6y - 2x}$$

$$14. (6x - 5y + 4z)^2$$

$$15. \frac{3(x - z)}{6}$$

$$16. 5(y - 6) - (y - 6) + 2y - 12$$



Need help? Check out these related videos.

Graphing equations

<http://www.khanacademy.org/math/algebra/ck12-algebra-1/v/graphs-of-linear-equations>

Operations on matrices

<http://www.khanacademy.org/math/algebra/algebra-matrices/v/introduction-to-matrices>

Evaluating expressions

<http://www.khanacademy.org/math/algebra/solving-linear-equations/v/evaluating-expressions-with-two-variables>

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