

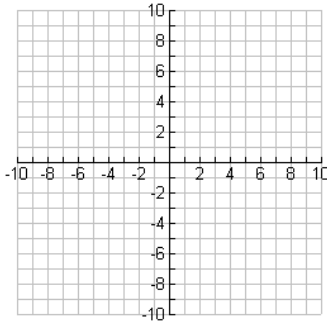
READY, SET, GO!	Name _____	Period _____	Date _____
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READY

Topic: Graph each relationship that is given by a table or a graph.

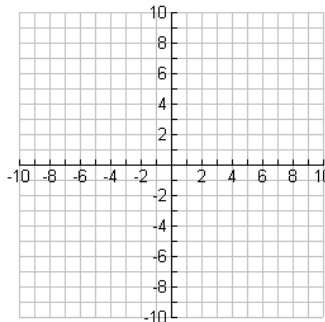
Graph each relationship that is given in the table or equation on the grid provided.

1. $y = 3x - 5$

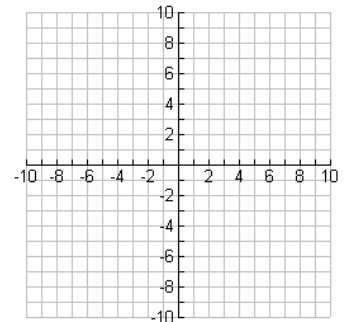


2.

x	y
-1	5
0	7
1	9
2	11

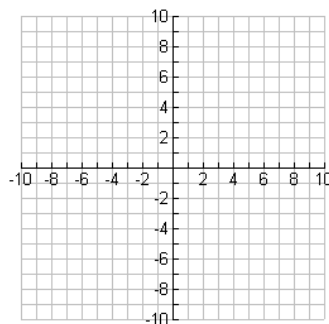


3. $y = -2x$

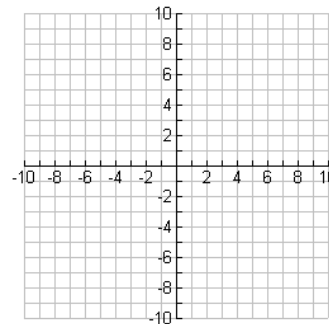


4.

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.

6. $\begin{bmatrix} -3 & 5 \\ 4 & -7 \end{bmatrix} + \begin{bmatrix} 8 & 9 \\ -6 & -5 \end{bmatrix}$

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

8. $5 \times \begin{bmatrix} 4 & -2 & 9 \\ 5 & 7 & -8 \end{bmatrix}$

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

10. $4 \cdot \begin{bmatrix} 1 & 5 \\ 7 & 6 \\ 5 & 4 \end{bmatrix}$

11. $3 \times \begin{bmatrix} 4 & 8 \\ 0 & 7 \end{bmatrix} - \begin{bmatrix} 1 & 4 \\ 7 & 5 \end{bmatrix} =$

12. $\begin{bmatrix} 3 & 5 \\ 4 & -7 \end{bmatrix} \cdot \begin{bmatrix} 8 & 9 \\ 6 & 0 \end{bmatrix}$

13. $\begin{bmatrix} 2 & 0 \\ 1 & -2 \\ 3 & 5 \end{bmatrix} \cdot \begin{bmatrix} 1 & 7 \\ 4 & 0 \end{bmatrix}$

GO

Topic: Evaluating Expressions

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

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

15. $5x - 2^3 + (2y + z)^4$

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

17. $(6x - 5y + 4z)^2$

18. $\frac{2(x-z)}{6}$

19. $5(y - 6) - (y - 6) + 2y - 12$