

PEMDAS

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Date _____ Period _____

Evaluate each expression.

1) $5 + 3 - 3$

2) $(13 + 17) \div 5$

3) $((-9) + 8) \times (-5) \times (-9)$

4) $((-9) + 6 + 2) \times (-6)$

Evaluate each using the values given.

5) $m - p - |m^2|$; use $m = 4$, and $p = 7$

6) $|x^2| - xz$; use $x = 8$, and $z = -4$

COMBINE LIKE TERMS

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Date _____ Period _____

Simplify each expression.

1) $-2 + 7r - 9r$

2) $-4m - 7m$

3) $7(-7 + 4x) + 8$

4) $-8(6n + 4) + 5n$

5) $-6(-v - 8) - 5v(v + 5)$

6) $-7(b + 6) + 2(6 + 3b)$

Evaluate/Check Solutions

Date _____ Period _____

Evaluate each using the values given.

1) $x - y \div 2$; use $x = 3$, and $y = 2$

2) $x + 5 - y$; use $x = 1$, and $y = -6$

3) $p + 30 + 2m$; use $m = -3$, and $p = -2$

4) $b(a - 2) + b + a$; use $a = 1$, and $b = 4$

5) $3 - (y + x)$; use $x = 6$, and $y = 3$

6) $-1 + x - y$; use $x = 1$, and $y = -4$

Solving One-Step Equations

Date _____ Period _____

Solve each equation.

1) $-12 + x = 7$

2) $v - 18 = 1$

3) $\frac{k}{4} = -7$

4) $8 = \frac{m}{19}$

Multi-Step Equations

Date _____ Period _____

Solve each equation.

1) $5 - 5x - 2x = -2$

2) $11 = 4n + 6 + 1$

3) $-4 = 2k + 8 + 4k$

4) $4 + 6x - 6 = -14$

5) $-6r + 7 - 6r = 19$

6) $-2x - 8x = -10$

Variables on Both Sides

Date _____ Period _____

Solve each equation.

1) $-4 - 5k = -3k - 6k$

2) $-4 + 2b = 4b + 2$

3) $1 - 7m = -2 + 3m - 8m + 7$

4) $2k - 3k = -k + 6$

5) $4 + 3p = -2 + 4p$

6) $6 + 3k = k - 6$

Solving Equations with Parentheses

Date _____ Period _____

Solve each equation.

1) $-6v + 6(3v - 1) = 66$

2) $84 = 6(2x + 4)$

3) $-r - 29 = 7 + 8(7 - 3r)$

4) $6 + 7x = -5x - 6(-7 - 4x)$

5) $-7(1 + x) = -6 + 6(2 + x)$

6) $-6(x + 6) = -2(8x + 8)$

Writing Equations in Y-Form

Date _____ Period _____

Write the equation in Y-Form ('y' on one side and everything else on the other side)

1) $11x + 5y = -20$

2) $11x - 6y = 48$

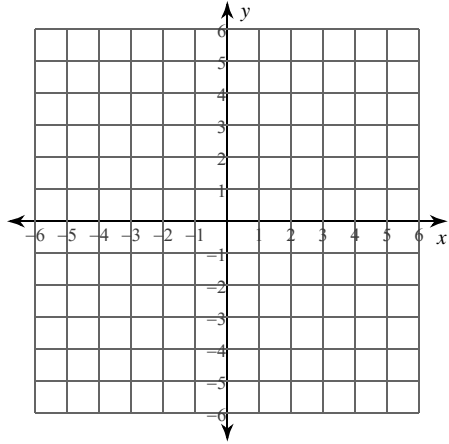
3) $5x + 3y = 9$

4) $y - 1 = \frac{1}{2}(x - 4)$

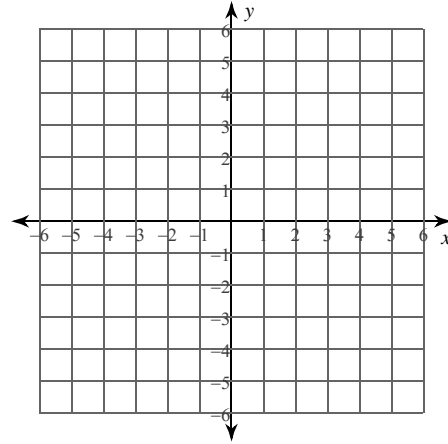
Graphing using tables (points, lines, curves)

Use an x,y-table to find at least three points to graph each line.

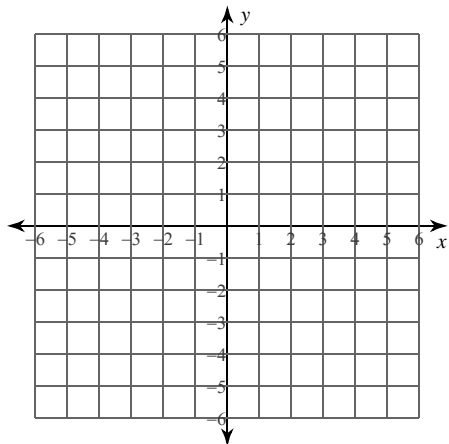
1) x -intercept = -4 , y -intercept = 1



2) $2x + y = 4$

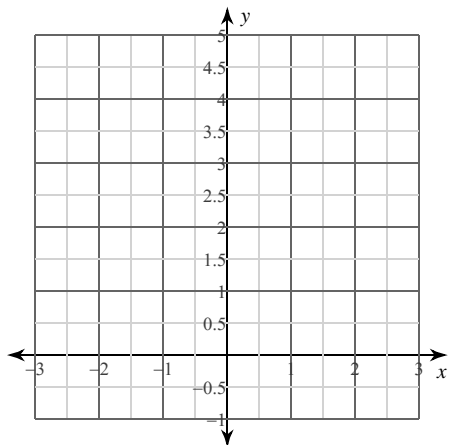


3) $y = -\frac{2}{3}x + 3$

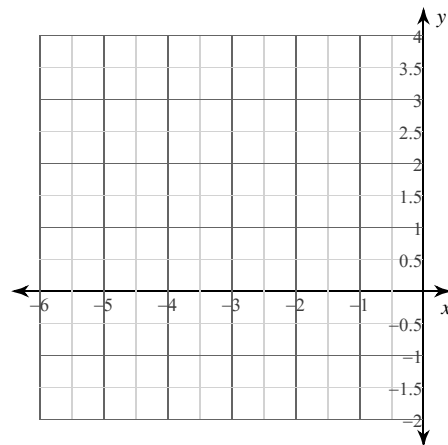


Use an x,y-table to find enough points to graph each curve.

4) $y = x^2$



5) $y = (x + 3)^2 - 1$



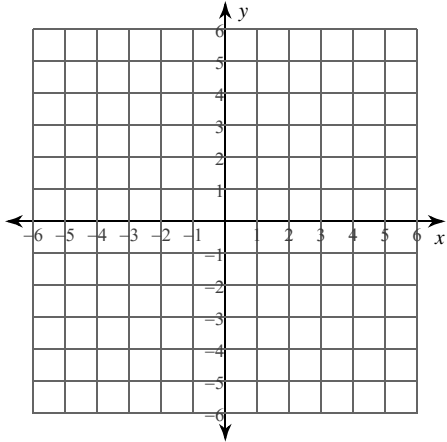
Graphing Lines using Intercepts

I. Find the x-intercept by making $y = 0$ (, 0)

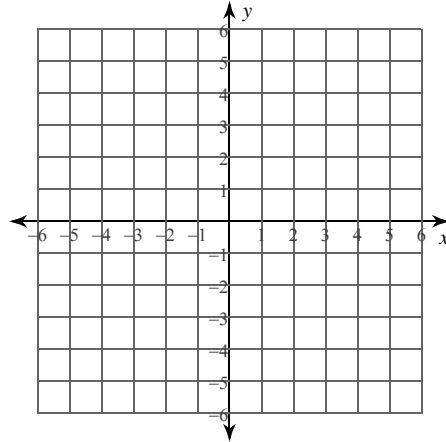
II. Find the y-intercept by making $x = 0$ (0,)

III. Draw the line through the two intercepts.

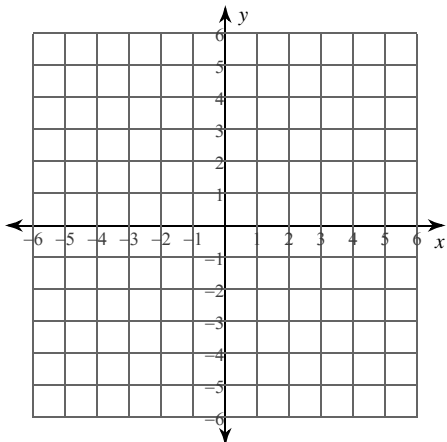
1) $2x - y = 5$



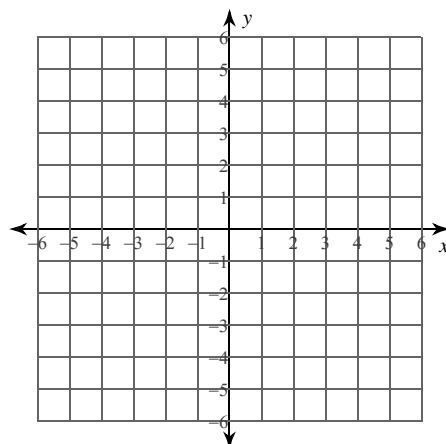
2) $x + 3y = -3$



3) $y = -4x + 5$



4) $y = \frac{1}{2}x - 4$



Drawing Histograms

Date _____ Period _____

Draw a histogram for each data set. (Use the indicated value for the width of each box)

1) # Words in Book Titles

1	1	2	2	2	2	2	2
3	3	3	3	4	4	4	6

box = 2

2) Shoe Size

6	6.5	6.5	7	7.5	7.5
7.5	7.5	8	8.5	8.5	9
9	9	9.5			

box = 2