

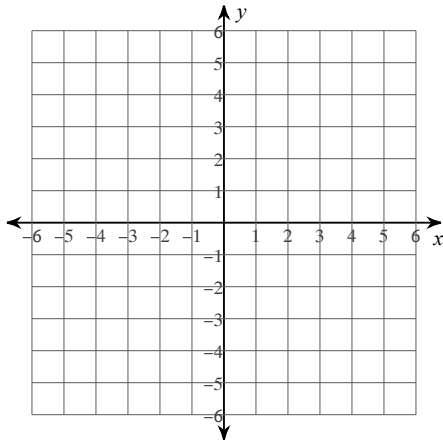
Solve each equation.

1) $-5(x + 2) = -18 - 3x$

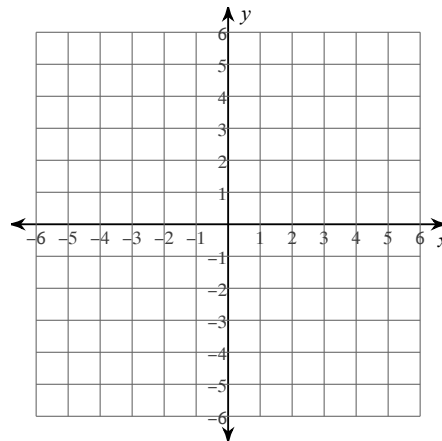
2) $\frac{n + 7}{3} = -2$

Sketch the graph of each line.

3) $y = -x + 2$

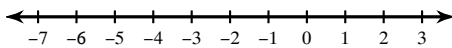


4) $y = \frac{4}{3}x + 2$

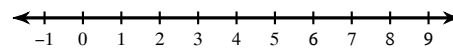


Solve each inequality and graph its solution.

5) $2 + 3v < 5$



6) $-5 + \frac{b}{2} \geq -2$



Write the equation of the line through the given points.

7) through: (3, 5) and (4, -4)

8) through: (4, 0) and (2, 1)

Find the mode, median, mean, and sample standard deviation for each data set.

9) Hours Slept

7	5.25	5.75	7	5.75
8.25	7.75	7	7.5	7.75
8				

10) # Words in Book Titles

1	1	2	2	1	4	2	2
2							

Find the distance between each pair of points.

11) (3, 8), (8, 2)

12) (5, 1), (-3, 7)

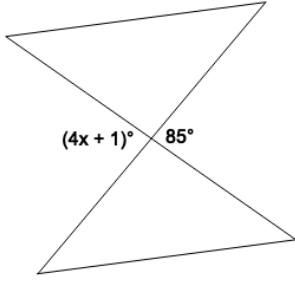
Solve each system by substitution.

13) $y = 8x - 3$
 $6x - 3y = 9$

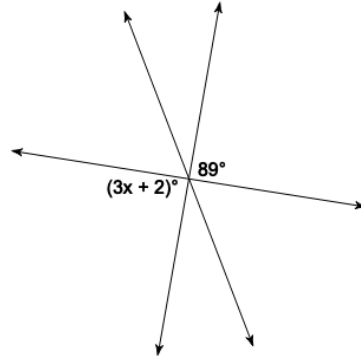
14) $x + 3y = 20$
 $5x - y = 20$

Find the value of x .

15)

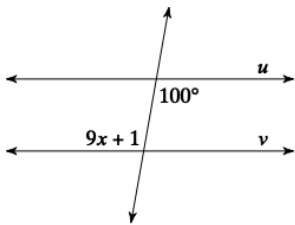


16)

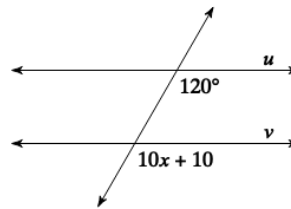


Find the value of x that makes lines u and v parallel.

17)

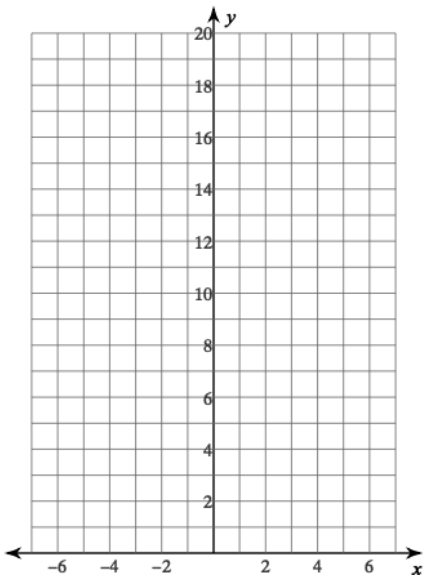


18)



Sketch the graph of each function.

19) $y = 3 \cdot \left(\frac{1}{2}\right)^x$



20) $y = 5 \cdot 2^x$

