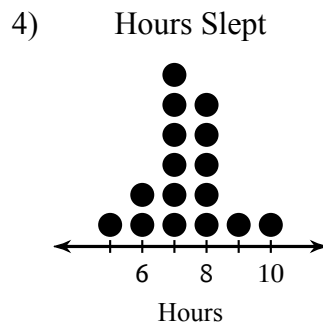
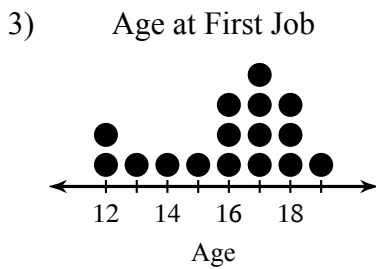


Draw a box-and-whisker plot for each data set.

- 1) Test Scores
 48 51 53 52 52 55 43
 34 46 48 31 45 53 47
 53

- 2) Minutes to Run 5km
 29.7 34.4 26.9 22 40.2
 24.1 36.9 32.9 20.8 34.9
 34.8 27.4 25 21.1 25.1

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



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

- 5) Minutes to Run 5km
 30 31.9 37.7 36 37.3
 34.3 29.2 31 35.5 34.8
 28.1

- 6) Goals in a Hockey Game
 3 5 7 7 7 5 4 5
 6 7 5

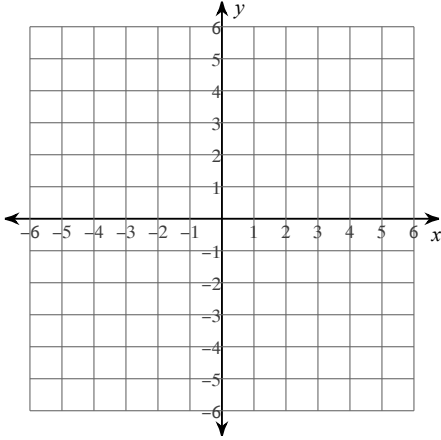
Solve each equation.

7) $-14 = \frac{k}{2} - 5$

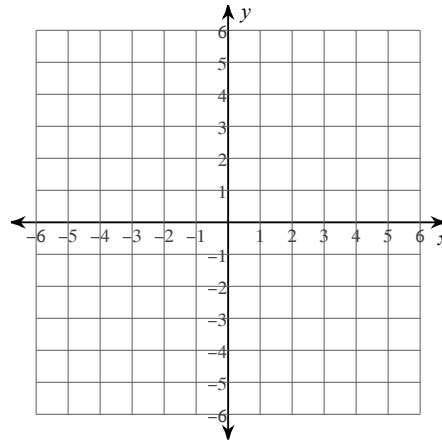
8) $5(1 + 2m) = 85$

Sketch the graph of each line.

9) x -intercept = 5, y -intercept = 2

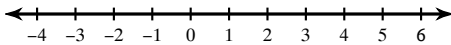


10) $y = -\frac{1}{2}x + 2$

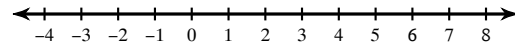


Solve each inequality and graph its solution.

11) $-56 < -4(4b + 2)$



12) $-16 < 8k \leq 40$



Write the slope-intercept form of the equation of the line through the given points.

13) through: $(-1, -2)$ and $(0, -5)$

14) through: $(0, -4)$ and $(-2, 1)$

Solve each system by elimination.

15) $-4x - y = -6$
 $4x + 3y = 2$

16) $-3x + y = -10$
 $4x - 7y = 2$

Simplify. Your answer should contain only positive exponents.

17) $2^{-4} \cdot 2^3$

18) $2 \cdot 2^0$

Write a function that represents the situation.

19) The Turkey population in Annadel State park was 31 and grew by 12% each year.

20) The Lizard population in Annadel State Park was 73,207 and decreased by 8% each year.