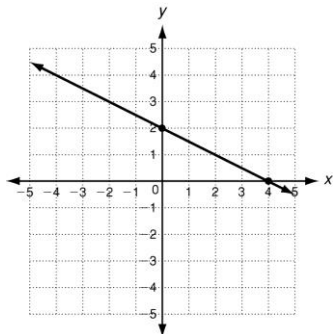


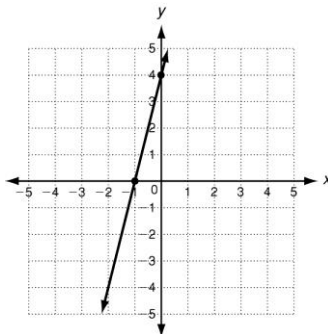
Standard Form HW

Find the x - and y -intercepts.

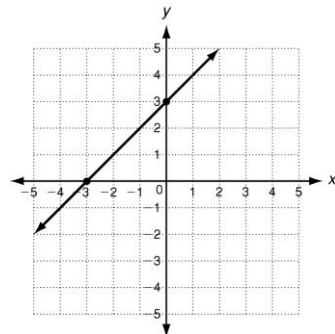
1.



2.

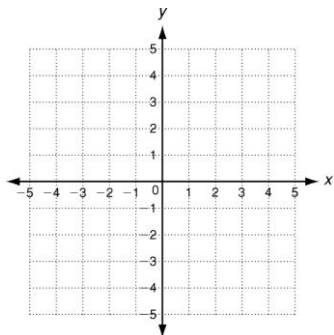


3.

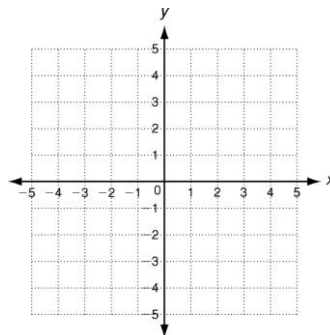


Graph each equation from standard form.

4. $3x + 2y = -6$



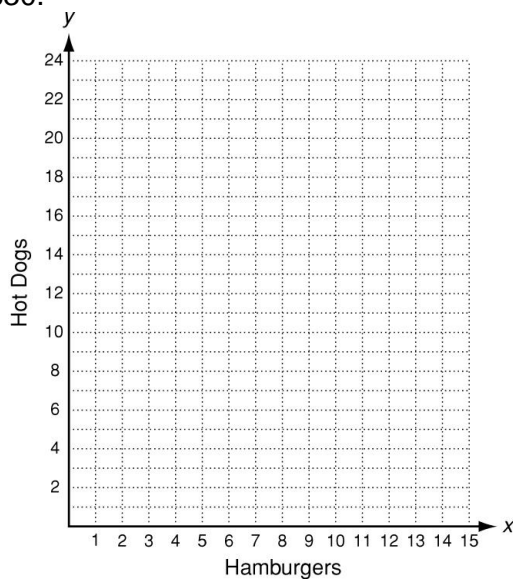
5. $x - 4y = 4$



6. At a fair, hamburgers sell for \$3.00 each and hot dogs sell for \$1.50 each. The equation $3x + 1.5y = 30$ describes the number of hamburgers and hot dogs a family can buy with \$30.

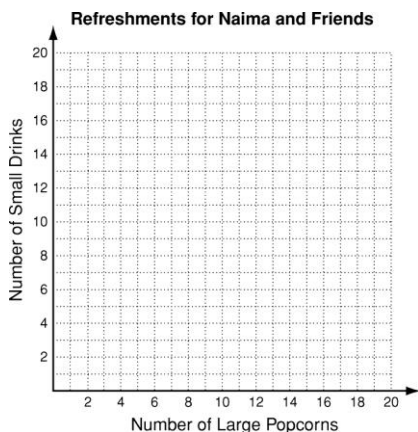
a. Find the intercepts and graph the function.

b. What does each intercept represent?

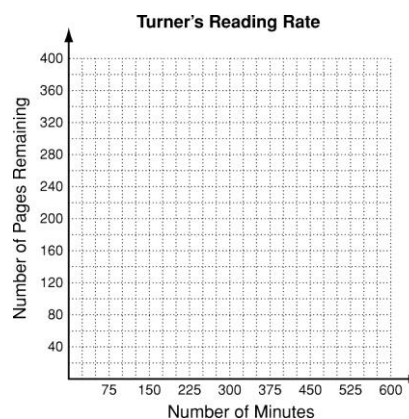


Write the correct answer.

1. Naima has \$40 to spend on refreshments for herself and her friends at the movie theater. The equation $5x + 2y = 40$ describes the number of large popcorns x and small drinks y she can buy. Graph this function and find its intercepts.

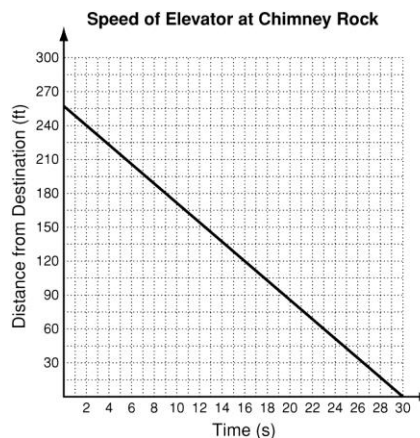


2. Turner is reading a 400-page book. He reads 4 pages every 5 minutes. The number of pages Turner has left to read after x minutes is represented by the function $f(x) = 400 - \frac{4}{5}x$. Graph this function and find its intercepts.



The graph shows the distance of an elevator at Chimney Rock, North Carolina, from its destination as a function of time. Use the graph to answer questions 3–6. Select the best answer.

3. What is the x -intercept of this function?
- A 0 C 258
B 30 D 300
4. What does the x -intercept represent?
- F the total distance the elevator travels
G the number of seconds that have passed for any given distance
H the number of seconds it takes the elevator to reach its destination
J the distance that the elevator has traveled at any given time
5. What is the y -intercept for this function?
- A 0 C 258
B 30 D 300



6. What does the y -intercept represent?
- F the total distance the elevator travels
G the number of seconds that have passed for any given distance
H the number of seconds it takes the elevator to reach its destination
J the distance that the elevator has traveled at any given time

