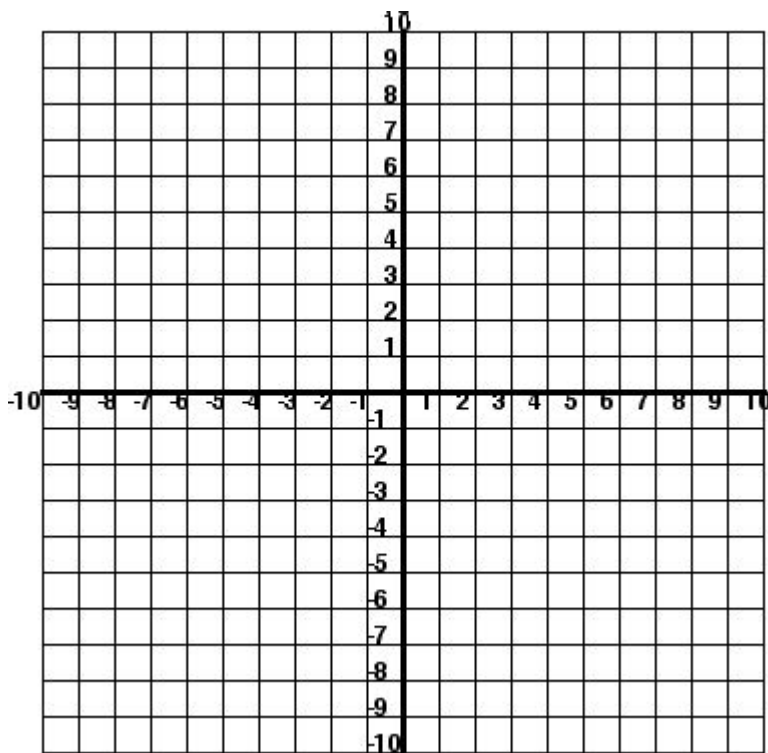
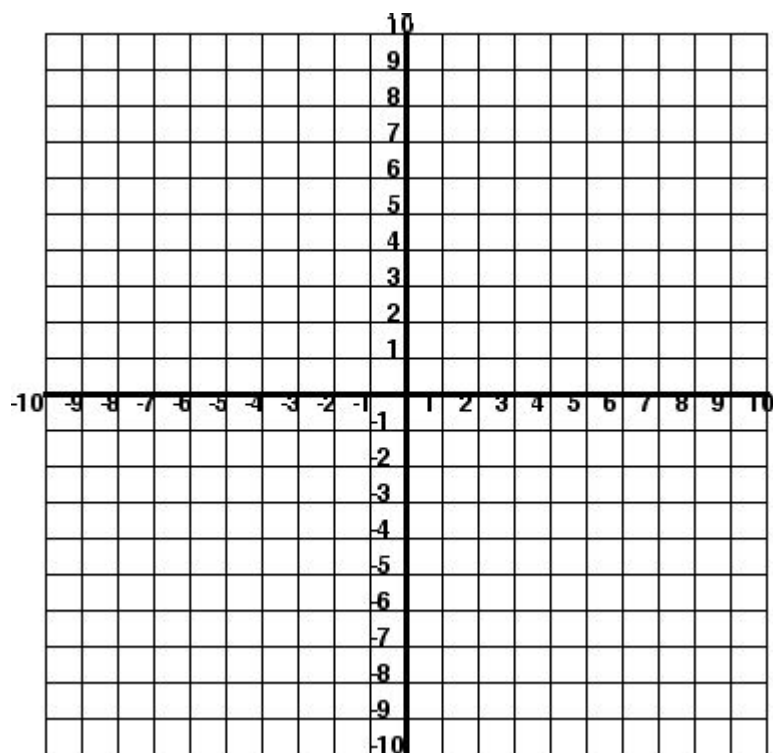


Lesson 2: Are You Ready?

1. In each case, write a linear equation that represents the situation. Choose meaningful letters for the variables.
 - a. Kevin makes \$10/h working as a produce clerk at the local grocery store. Write an equation relating Kevin's earnings and hours worked.
 - b. The cost of renting canoes for a weekend trip is \$200 plus \$50 per canoe. Write an equation relating the number of canoes and the cost of renting.
2. Solve the following linear systems by graphing.
 - a. $x + y = 7$
 $x - y = -3$



b. $x + 2y = 10$
 $3x - y = 9$



3. For which linear system(s) is $(1, -1)$ a solution?

A. $2x + 5y = 3$
 $x - 3y = 2$

B. $2x - 3y = 5$
 $3x + 2y = 1$

C. $x + 2y = -1$
 $5x - 5y = 0$

4. A moped is driven at 50 km/h along a 100-km route. The distance D , in kilometres, from the end of the route at time t , in hours, can be modelled by the equation $D = 100 - 50t$.
- a. What does the t -intercept represent?
 - b. What does the D -intercept represent?
 - c. What does the slope represent?
 - d. How much farther does the moped have to travel after 1.5 h?