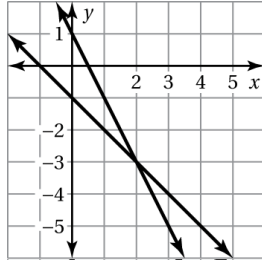


Lesson 5.1 Practice Worksheet

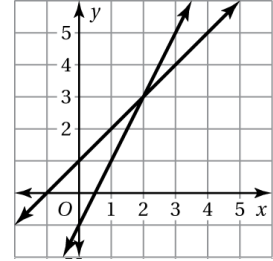
**Match the system of linear equations with the corresponding graph.
Use the graph to estimate the solution.**

_____ 1. $y = x + 1$
 $y = 2x - 1$

A.



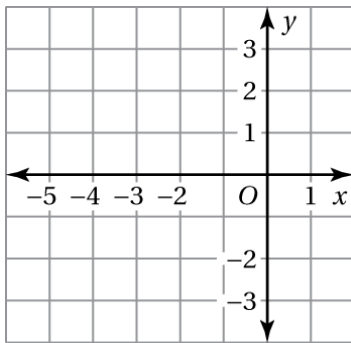
B.



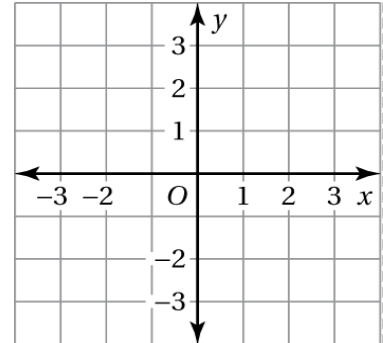
_____ 2. $y = -x - 1$
 $y = -2x + 1$

Solve the system of linear equations by graphing.

3. $y = -x - 2$
 $y = \frac{1}{4}x + 3$



4. $y = -2x + 1$
 $y = 2x - 3$



Write and solve a system of linear equations for each situation.

5. The cost y (in dollars) for beads to make bracelets is $y = 7x + 145$, where x is the number of bracelets. Each bracelet sells for \$36. How many bracelets need to be sold for the business to break even?

6. Two brothers are saving to buy a new video game system. Ryan started with \$90 in his account and is earning \$15 a week mowing lawns. Kyle started with \$150 in his account and is earning \$12 a week washing cars. After how many weeks will they have the same amount?

7. Jim is considering a new golf membership. Shady Oaks Golf Club charges a \$500 membership fee and \$10 every time you golf. Green Pine Golf Club charges a \$200 membership fee and \$20 every time you golf. How many times would Jim need to golf in order to pay the same amount at each golf club?