

Algebra 1
5.1/5.2 Review Worksheet

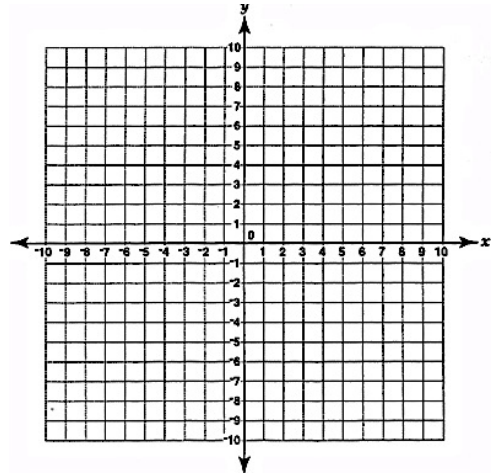
Name _____

1. Is $(-2, 1)$ a solution of the following system?

$$\begin{aligned}6x - 3y &= -15 \\2x + y &= -3\end{aligned}$$

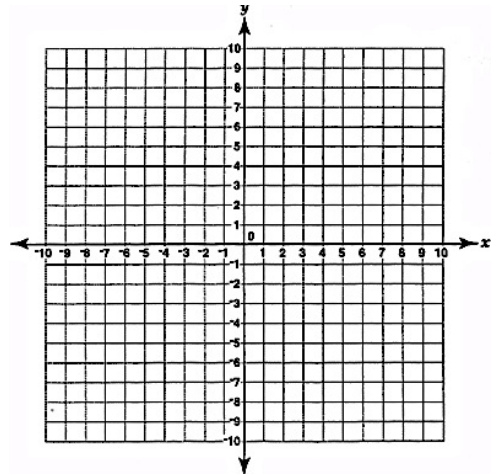
2. Graph and check to solve the linear system:

$$\begin{aligned}y &= \frac{1}{2}x + 2 \\y &= -x + 5\end{aligned}$$



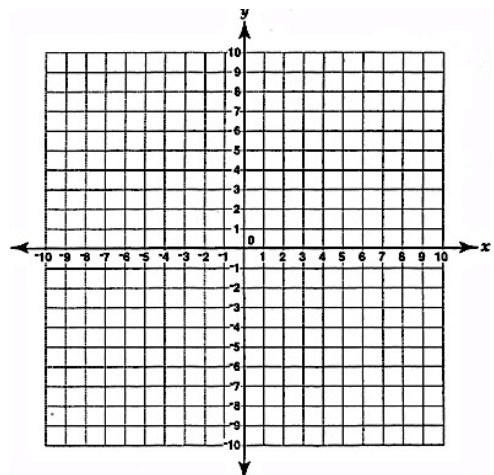
3. Graph and check to solve the linear system:

$$\begin{aligned}y &= 2x - 1 \\y &= x + 1\end{aligned}$$



4. Graph and check to solve the linear system:

$$\begin{aligned}y &= 6 \\-2x + y &= 4\end{aligned}$$



Solve each system using the substitution method.

5. $y = 6x$
 $2x + 3y = -20$

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

7. $x = 2y + 7$
 $x - y = 4$

8. $x - 2y = 3$
 $4x - 8y = 12$

9. Jenna works at a music store. Last week she sold 6 more than 3 times the number of CDs that she sold this week. Jenna sold a total of 110 CDs over the 2 weeks. How many CDs did she sell each week?