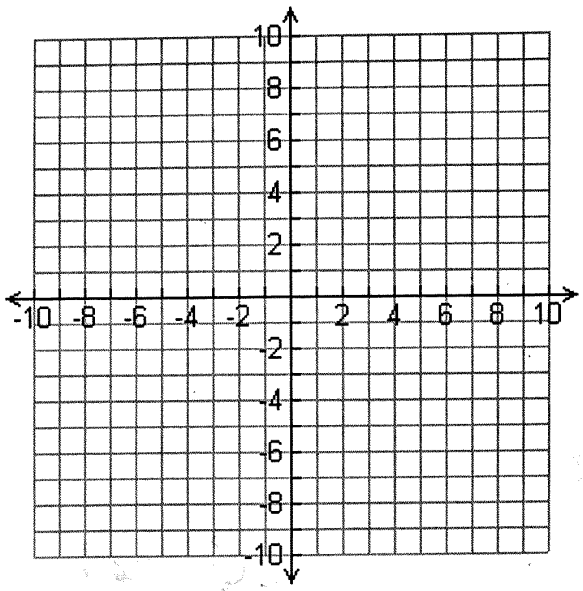
Key
No
work

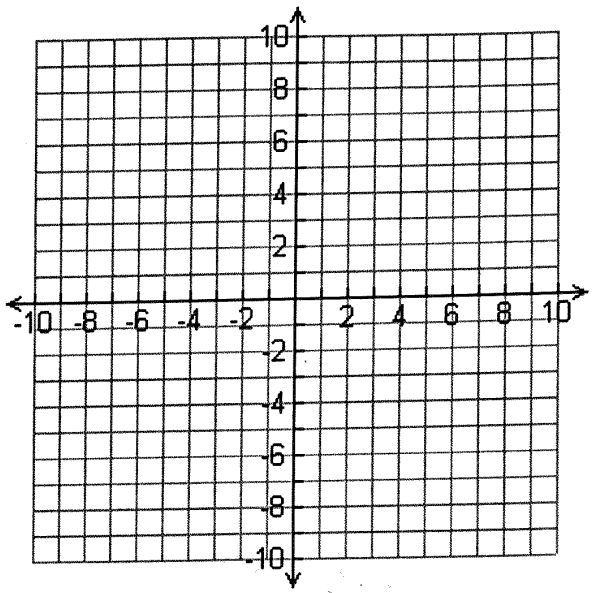
Unit 2 2.2p Graphing Systems Practice

Graph each system of equations to find the solution

1. $\begin{cases} y = 2x + 6 \\ y = -\frac{1}{2}x + 1 \end{cases}$ (-2, 2)

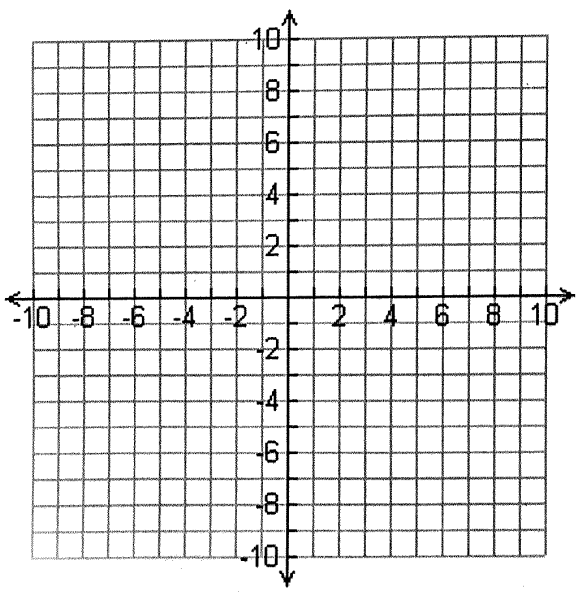
2. $\begin{cases} 4x - 3y = 15 \\ y = \frac{4}{3}x + 6 \end{cases}$ No Solution (know why)

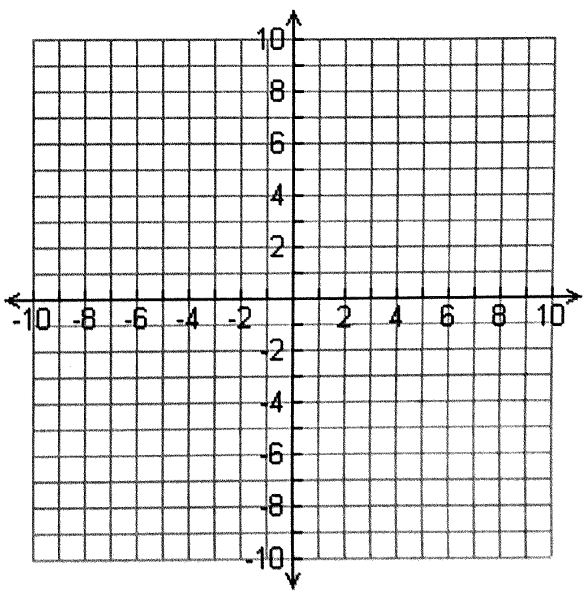




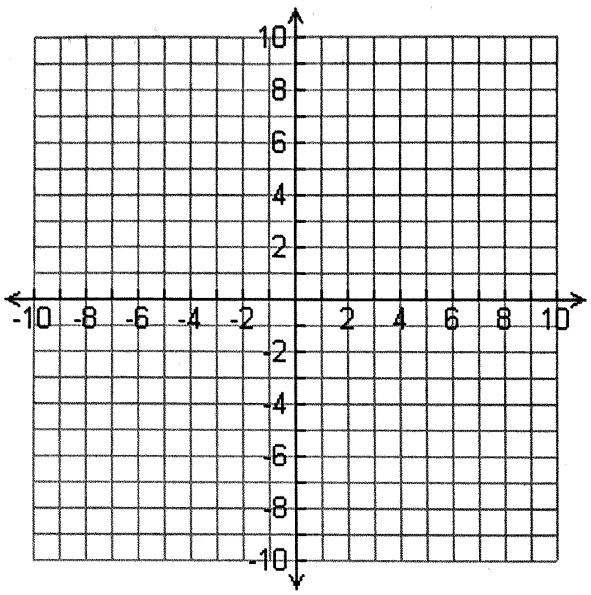
3. $\begin{cases} y = \frac{8}{5}x + 1 \\ x = 5 \end{cases}$ (5, 9)

4. $\begin{cases} y = -\frac{1}{2}x + 3 \\ 2x + 4y = 12 \end{cases}$ Infinite solutions (know why)

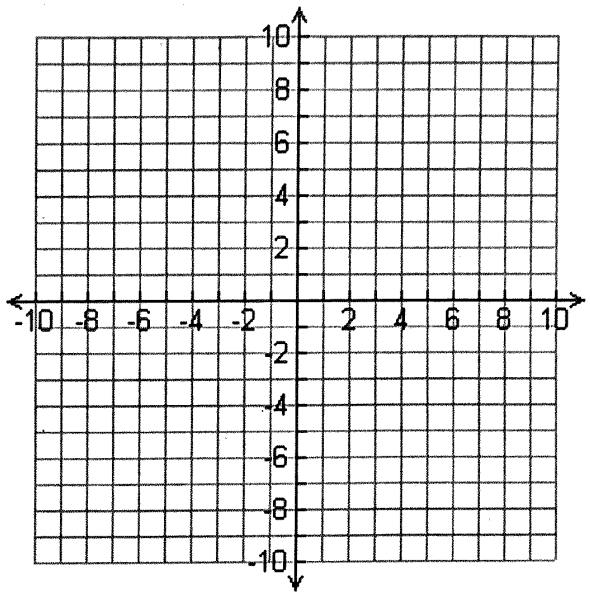




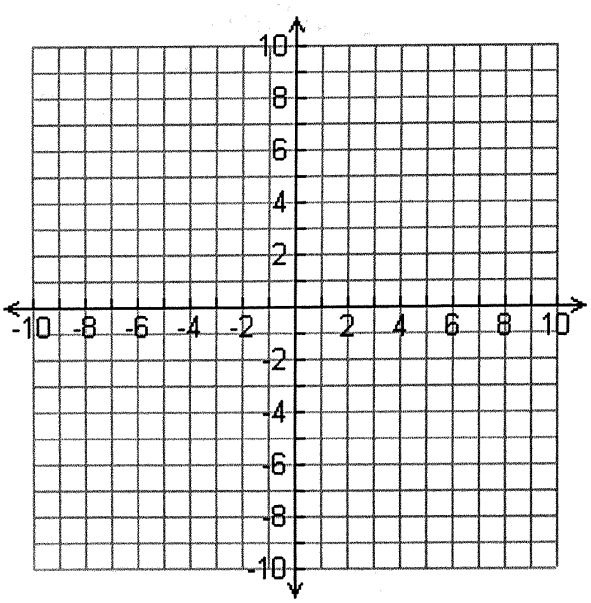
5. $\begin{cases} y = \frac{3}{2}x - 1 \\ 3x + 2y = 10 \end{cases}$ (2, 2)



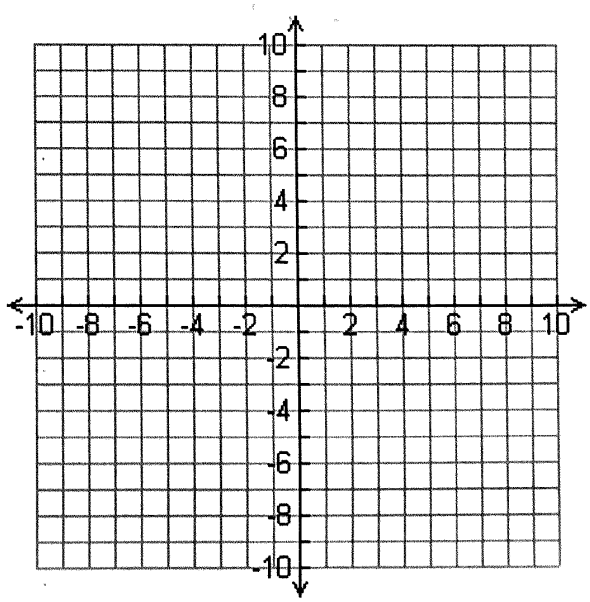
6. $\begin{cases} y = \frac{1}{3}x + 2 \\ -4x + 9y = 9 \end{cases}$ (9, 5)



7. $\begin{cases} y = -4x \\ x = 2 \end{cases}$ (2, -8)



8. $\begin{cases} 4x + 8y = -24 \\ -4x - 2y = -12 \end{cases}$ (6, -6)



9. Which ordered pair(s) is/are a solution(s) to $4x - y = 9$?

a. $(0,9)$ b. $(2,-1)$ c. $(3,-3)$ d. $(1,5)$

Know why and here

10. Which ordered pair(s) is/are a solution(s) to $y = \frac{2}{3}x + 9$?

a. $(3,15)$ b. $(-3,3)$ c. $(-6,13)$ d. $(-9,3)$

11. Which ordered pair(s) is/are NOT a solution(s) to $y = 4x - 5$?

a. $(2,3)$ b. $(-1,-9)$ c. $(1,1)$ d. $(3,7)$

12. Which ordered pair(s) is/are NOT a solution(s) $6x + 5y = 30$?

a. $(5,0)$ b. $(0,6)$ c. $(15,-12)$ d. $(-6,10)$