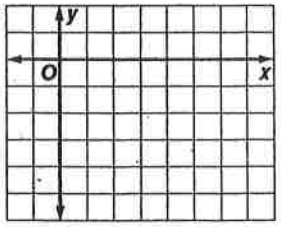
Solving Systems of Equations by Graphing Notes

A system of equations is a set of _____ equations containing the same variables. You can solve by graphing the equations in the same coordinate plane. If the lines _____ the solution is that _____.

Solve each system of equations by graphing.

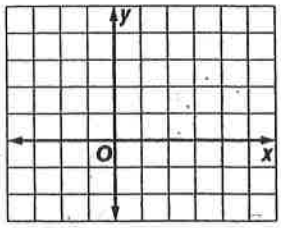
1. $y = -\frac{x}{3} + 1$

$y = \frac{x}{2} - 4$



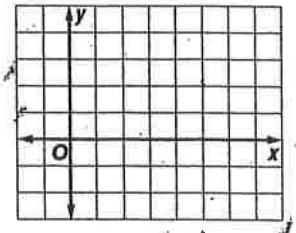
2. $y = 2x - 2$

$y = -x + 4$



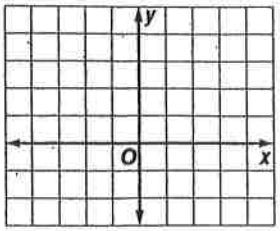
3. $y = -\frac{x}{2} + 3$

$y = \frac{x}{4}$



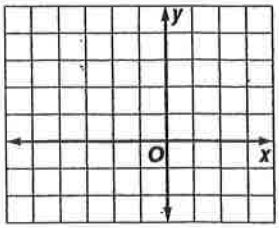
4. $3x - y = 0$

$x - y = -2$



5. $2x + \frac{y}{3} = -7$

$\frac{x}{2} + y = 1$



6. $\frac{x}{2} - y = 2$

$2x - y = -1$