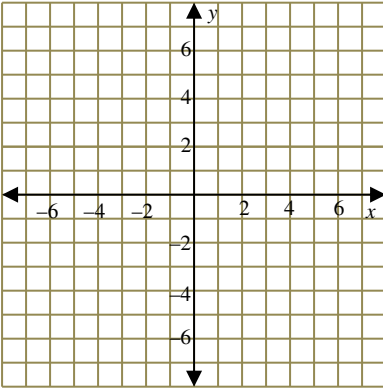


Lesson Two – Solve a Linear System Graphically

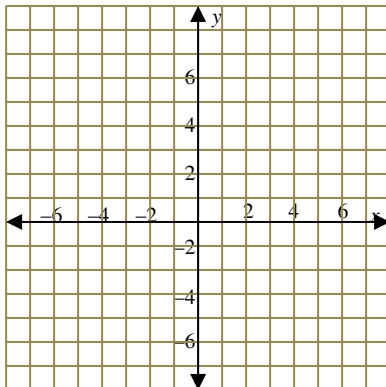
Example 1

Solve the linear System: $x + y = 8$ and $3x - 2y = 14$



Example 2

Don and Kari are police officers. Don is in charge of patrolling a route that can be described by the equation $y = 2x + 1$. Kari is responsible for patrolling a route that can be described by the equation $y = \frac{1}{3}x + 8$. The police station is located along both of their routes. What are the coordinates of the station?



Example 3

A hockey club must make arrangements to book a hall for their wind-up. They have narrowed their choice to two different places. Hall A requires a rental fee of \$700.00 plus \$50.00 per person. Hall B requires \$500.00 for a rental fee plus \$100 per person. How many people would have to attend the wind-up for the total cost to be the same for both halls?

