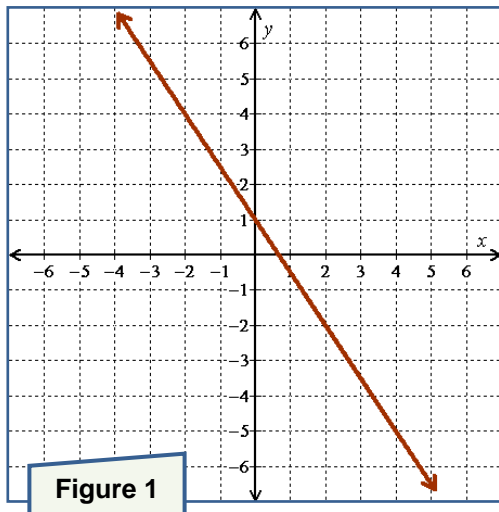


Example 1

The line $3x + 2y = 2$ is shown in Figure 1.

- Find two points on the line and verify that they in fact satisfy the equation $3x + 2y = 2$.
- Find the slope and y-intercept of the line.
- Solve the equation $3x + 2y = 2$ for y . State the connection between this new equation and the slope and y-intercept of the line.



Example 2

State the slope and y-intercept of the line with equation $4x - 3y = 6$ after solving the equation for y . Then graph the line onto Figure 2.

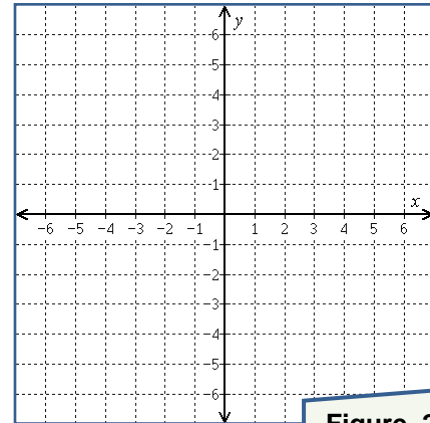


Figure 2

Example 3

State the slope and y-intercept of the line with equation $-3x - 5y = 4$. Graph the line onto Figure 3.

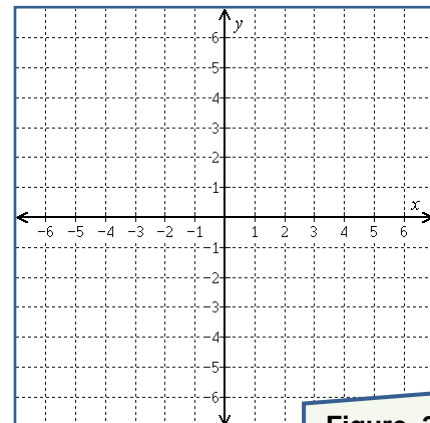


Figure 3