

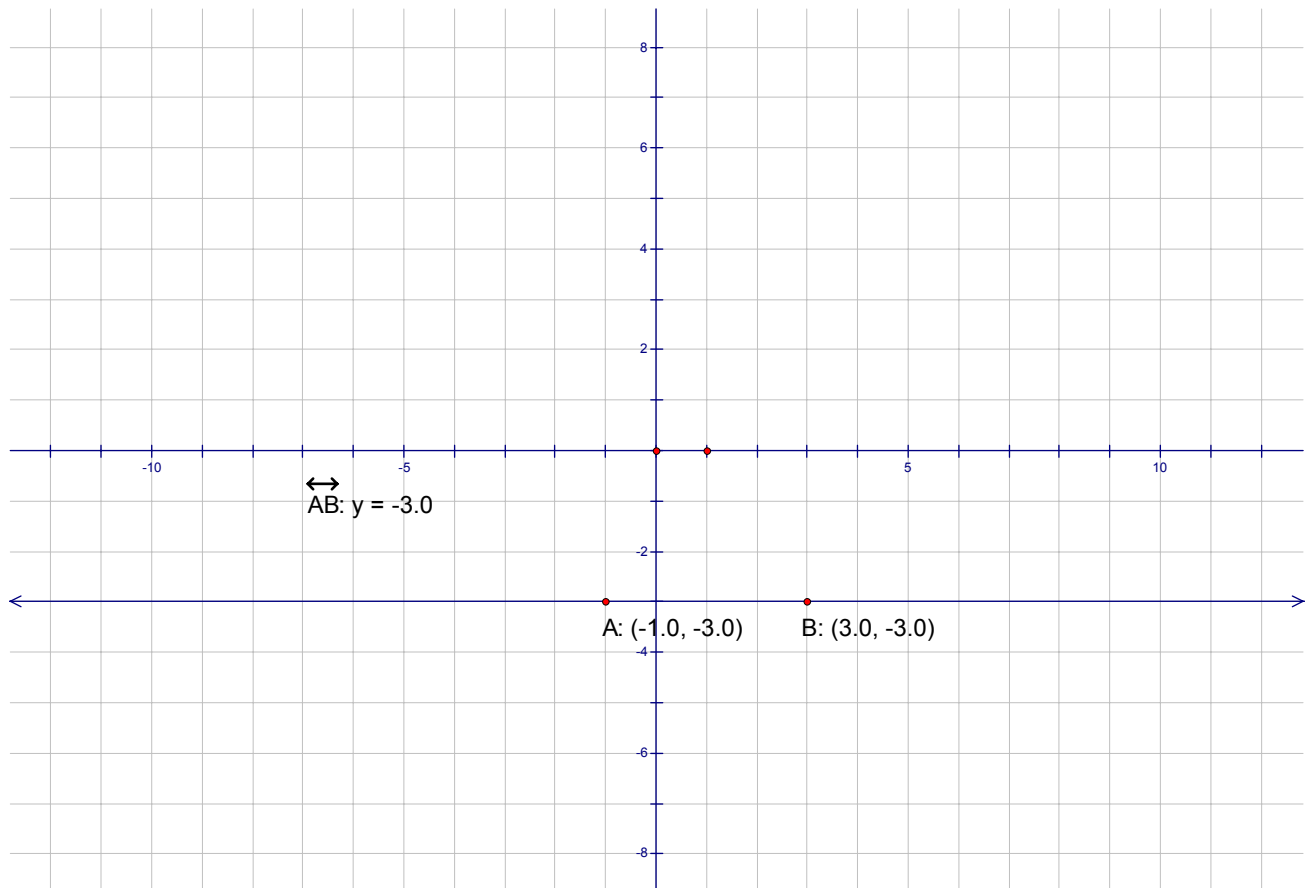
Example:

Find the equation through the points (3,-3) and (-1,-3). Show the slope and verify with a graph (gsp).

Solution:

Slope is $(-3 - -3)/(3 - -1) = 0$

The line is a horizontal line, $y = -3$.



1. through points (2,3) and (4,3)
2. through points (3,1) and (3,-3)
3. through point (4,-1) with slope 0
4. through point (4,-1), slope undefined
5. through point (4,1), parallel to $y=3$
6. through point (2,-3), parallel to $y=2$
7. through point (1,-1), perpendicular to $x=2$
8. through point (2,1), perpendicular to $y=x$
9. through point (3,2), parallel to $y=0$
10. through point (2,1), parallel to $y=-1$