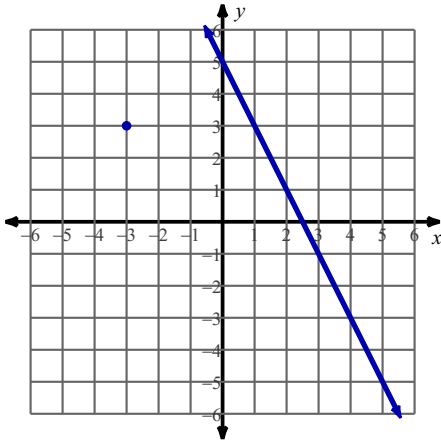


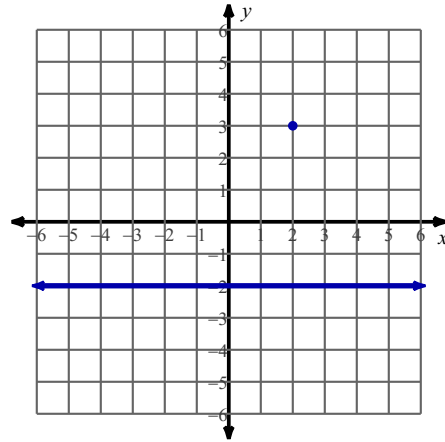
# Graphing Parallel and Perpendicular Lines

Write and graph the equation that goes through given point A that is parallel to the original line.

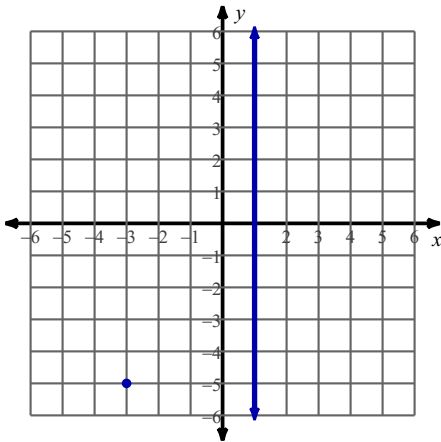
1)



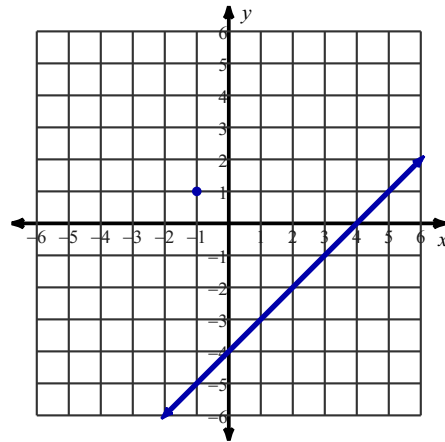
2)



3)

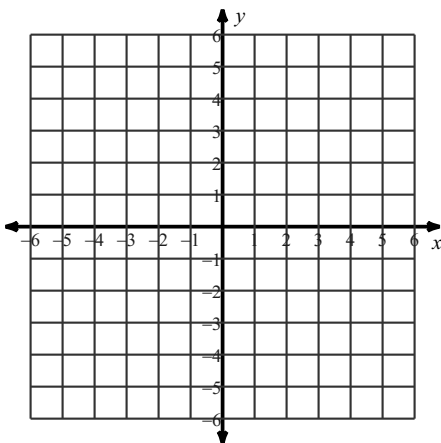


4)

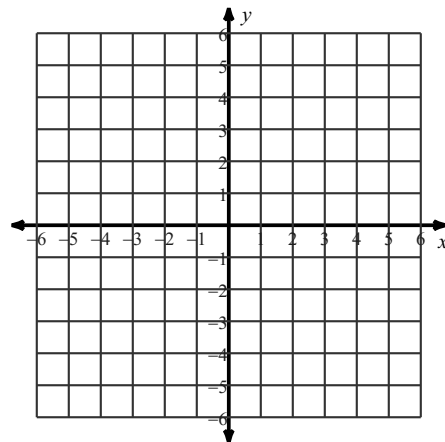


Write and graph the equation that goes through given point A that is parallel to the original line. Be sure to draw the original line and the new line.

5) Parallel to  $2x + 3y = 9$   
through the point  $(-3, 0)$

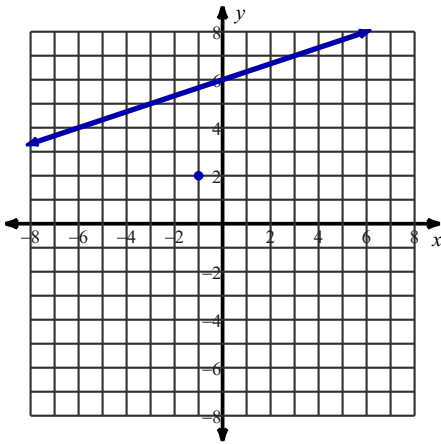


6) Parallel to  $-\frac{1}{2}x + y = 3$   
through the point  $(2, -1)$

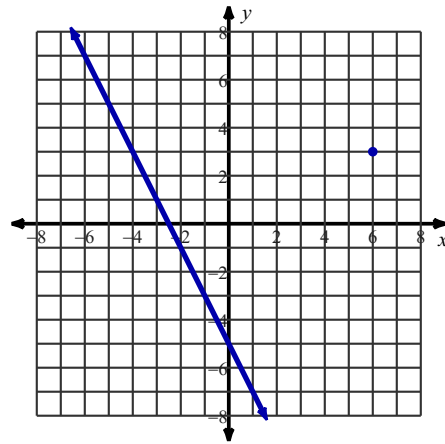


Write and graph the equation that goes through given point A that is **PERPENDICULAR** to the original line.

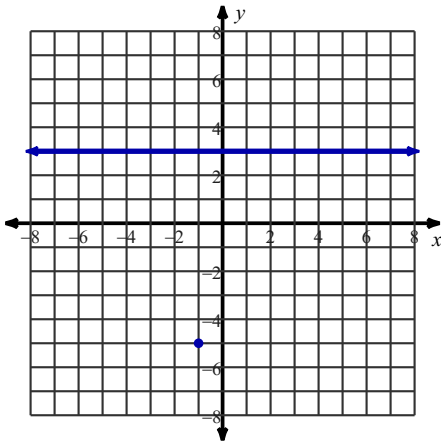
7)



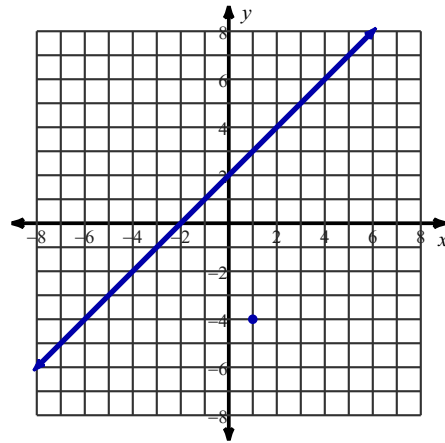
8)



9)

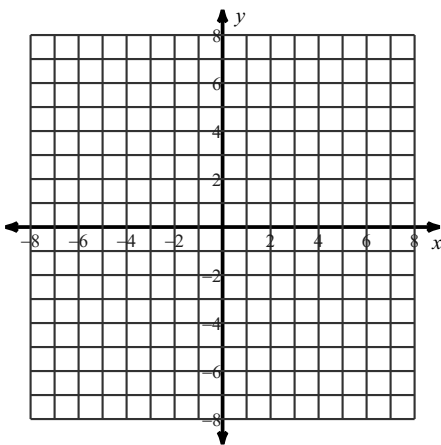


10)

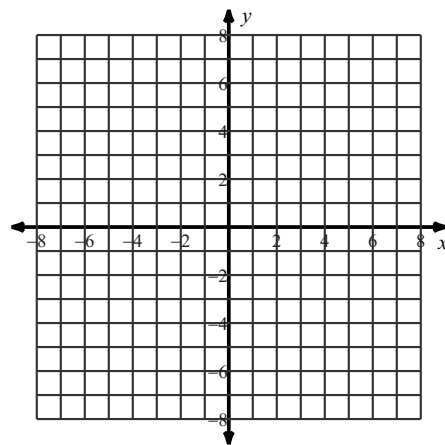


Write and graph the equation that goes through given point A that is **PERPENDICULAR** to the original line. Be sure to graph the original line and the new line.

11) Perpendicular to  $x=5$   
through the point  $(-2,6)$



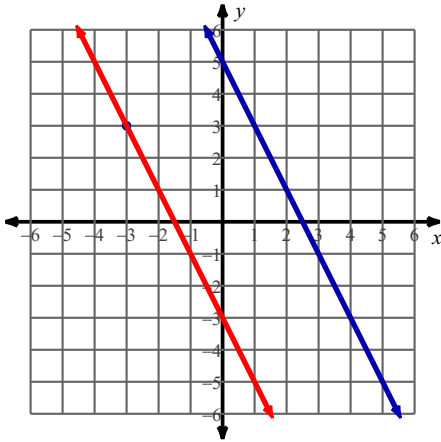
12) Perpendicular to  $2x+3y=9$   
through the point  $(-4,-5)$



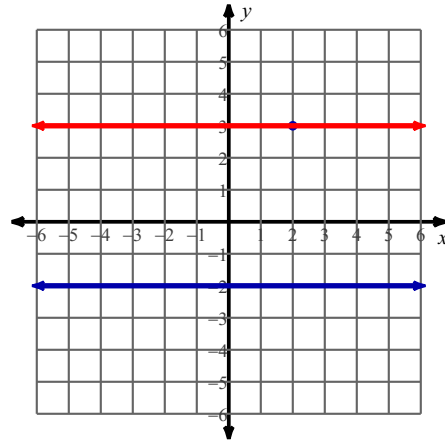
Graphing Parallel and Perpendicular Lines

Write and graph the equation that goes through given point A that is parallel to the original line.

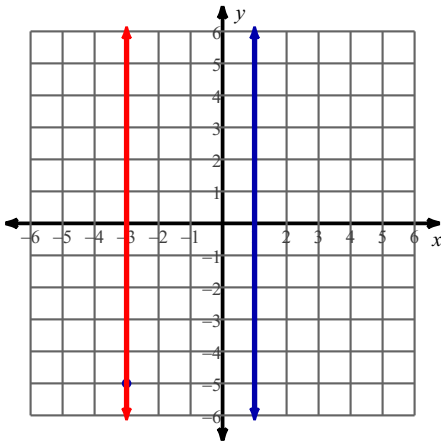
1)



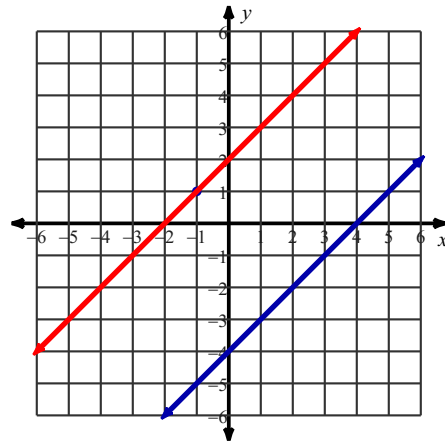
2)



3)

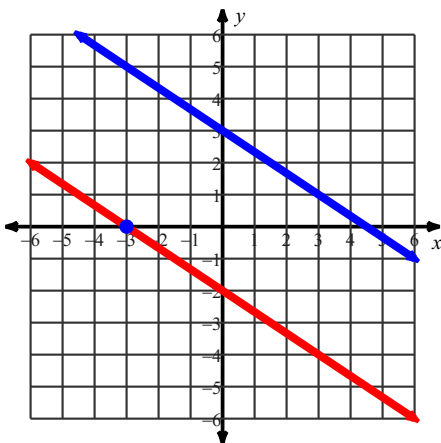


4)

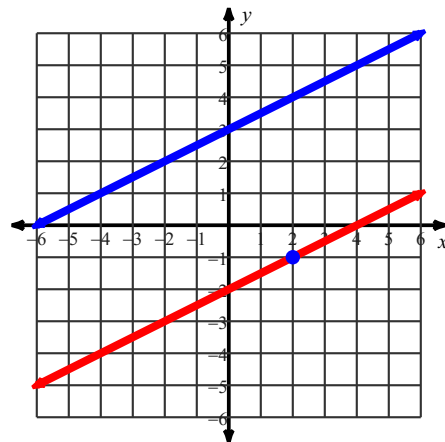


Write and graph the equation that goes through given point A that is parallel to the original line. Be sure to draw the original line and the new line.

5) Parallel to  $2x + 3y = 9$   
through the point  $(-3, 0)$

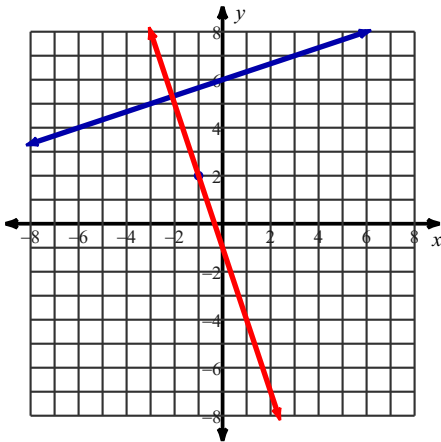


6) Parallel to  $-\frac{1}{2}x + y = 3$   
through the point  $(2, -1)$

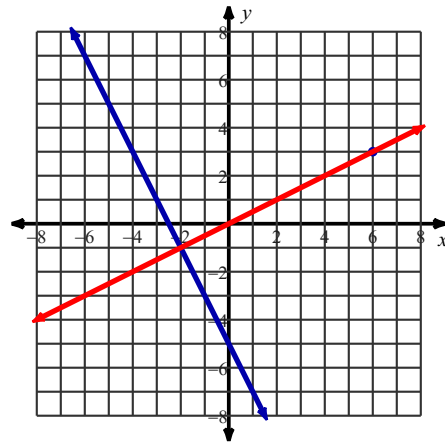


Write and graph the equation that goes through given point A that is **PERPENDICULAR** to the original line.

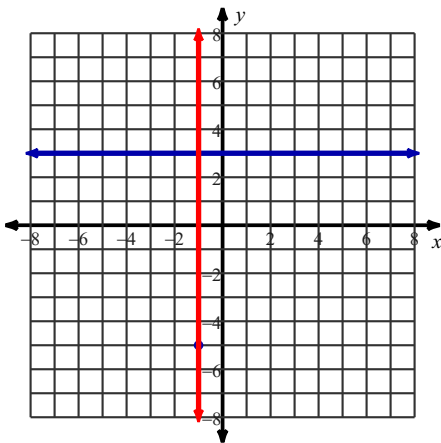
7)



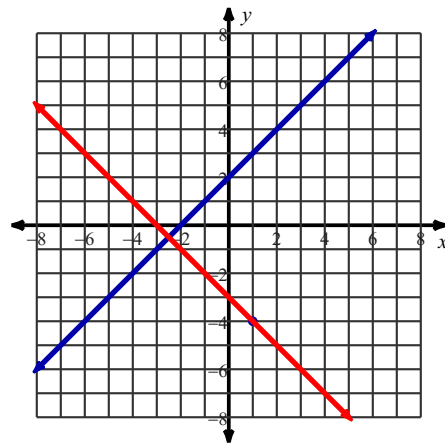
8)



9)

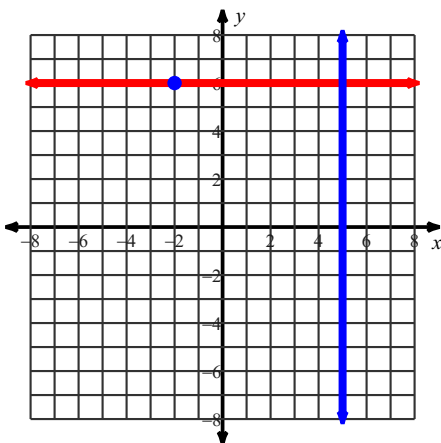


10)



Write and graph the equation that goes through given point A that is **PERPENDICULAR** to the original line. Be sure to graph the original line and the new line.

11) Perpendicular to  $x=5$   
through the point  $(-2,6)$



12) Perpendicular to  $2x+3y=9$   
through the point  $(-4,-5)$

