

## The distance between parallel lines

What is the distance between the parallel lines  $y = 2$  and  $y = 7$ ?

What is the distance between the parallel lines  $y = x$  and  $y = x + 1$ ?

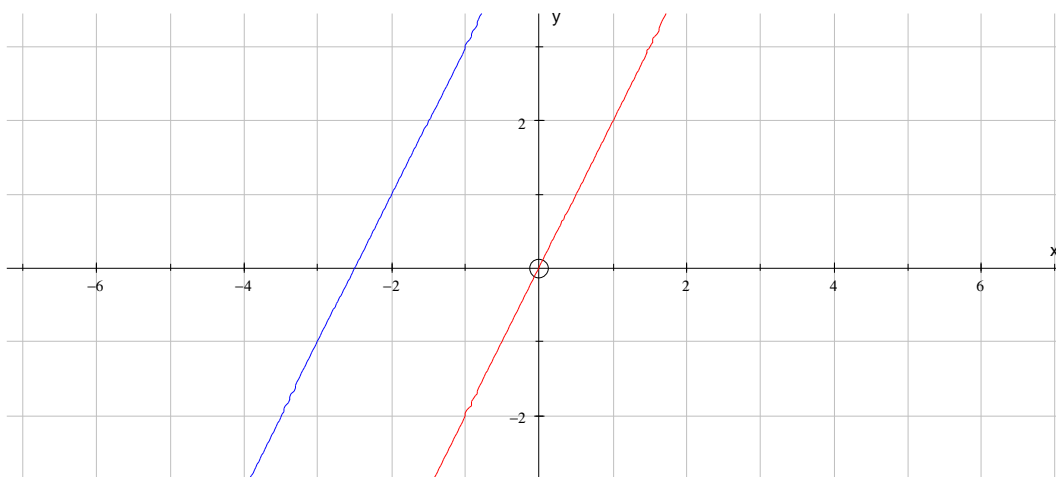
Does the last answer help you to answer these questions:

What is the distance between the parallel lines  $y = x + 6$  and  $y = x + 7$ ?

What is the distance between the parallel lines  $y = x - 3$  and  $y = x + 4$ ?

What is the distance between the parallel lines  $y + x = 0$  and  $y + x = 5$ ?

What is the distance between the parallel lines  $y = 2x$  and  $y = 2x + 5$ ?



What is the distance between the parallel lines  $y = mx + b$  and  $y = mx + c$ ?