

Bathroom breaks are to be  
taken before class!!

Do **NOT** move the desk!!

Turn your phone **OFF**!!

Put your phone up!!

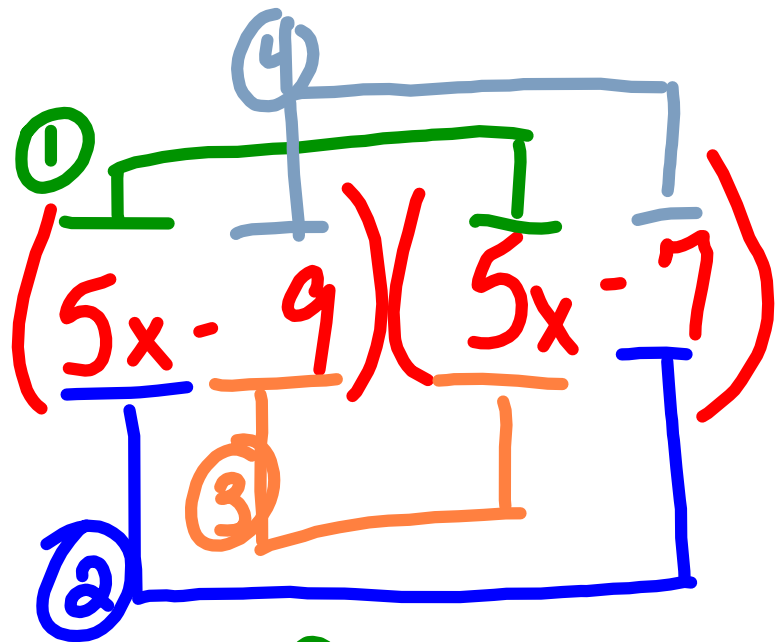
Sit down!! 🙇 Be quiet!!

Prepare to work!!

**Keep your hands to yourself!!**

# Products of Binomials

3)



$$25x^2 - 35x - 45x + 63$$

$$25x^2 - 80x + 63$$

b)

The diagram illustrates the expansion of the product  $(4x-1)(x+4)$ . It features a rectangular area divided into four quadrants by a horizontal and a vertical line. The top-left quadrant is labeled with a green circled 1 and contains the term  $4x^2$ . The top-right quadrant is labeled with a blue circled 4 and contains the term  $-4x$ . The bottom-left quadrant is labeled with an orange circled 3 and contains the term  $-1x$ . The bottom-right quadrant is labeled with a blue circled 2 and contains the term  $-4$ . The terms are color-coded:  $4x^2$  is green,  $-4x$  is blue,  $-1x$  is orange, and  $-4$  is blue. Below the diagram, the expression  $4x^2 + 16x - 1x - 4$  is written, with  $4x^2$  in green,  $16x$  in blue,  $-1x$  in orange, and  $-4$  in blue. A pink horizontal line is drawn under the  $16x - 1x$  part. Below this line, the simplified expression  $4x^2 + 15x - 4$  is written, with  $4x^2$  in green,  $15x$  in pink, and  $-4$  in blue.

$$(4x-1)(x+4)$$
$$4x^2 + 16x - 1x - 4$$
$$4x^2 + 15x - 4$$