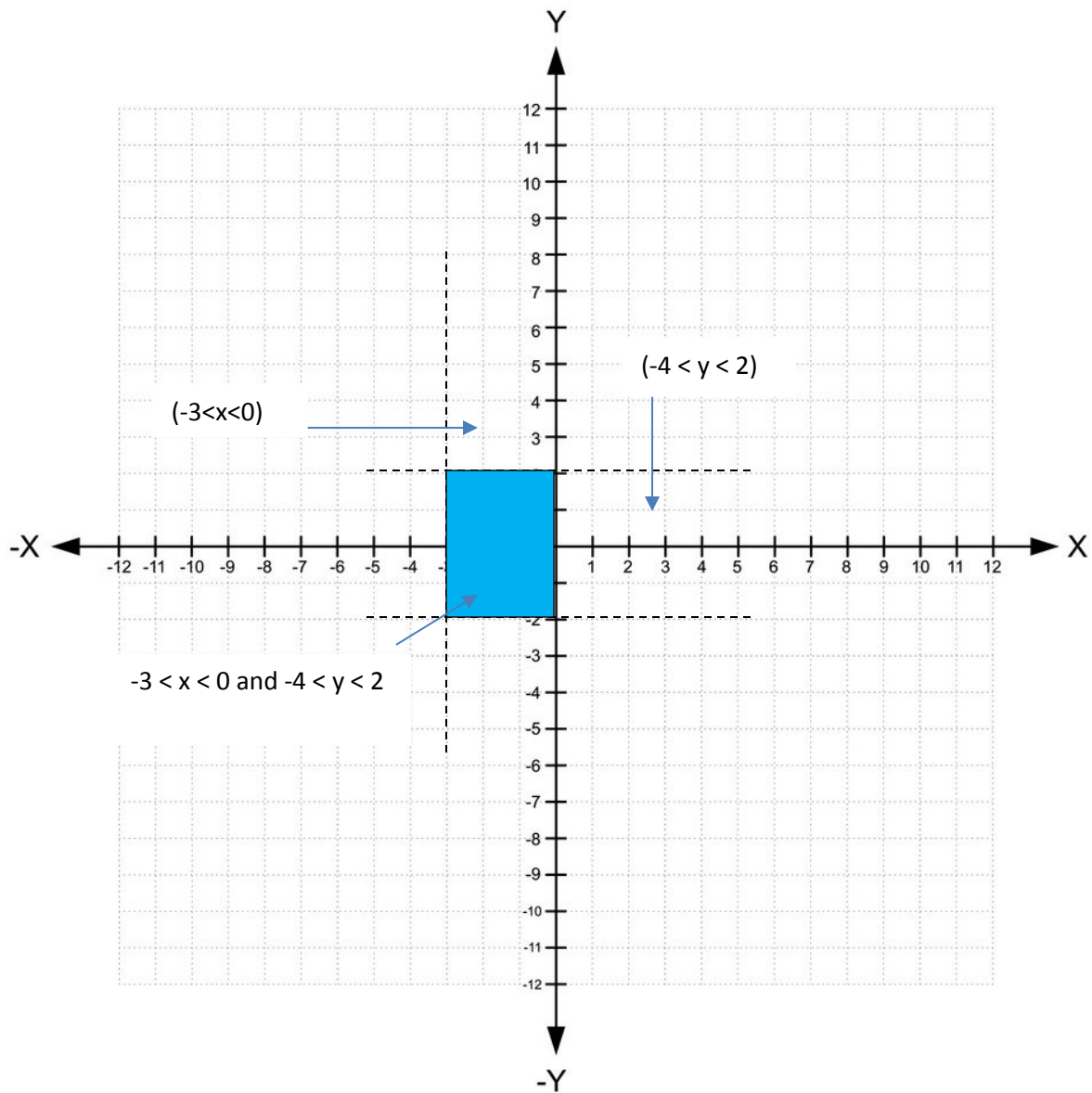


Assignment: part 5 Inequalities - Level 8 - Mathematics

Solution:

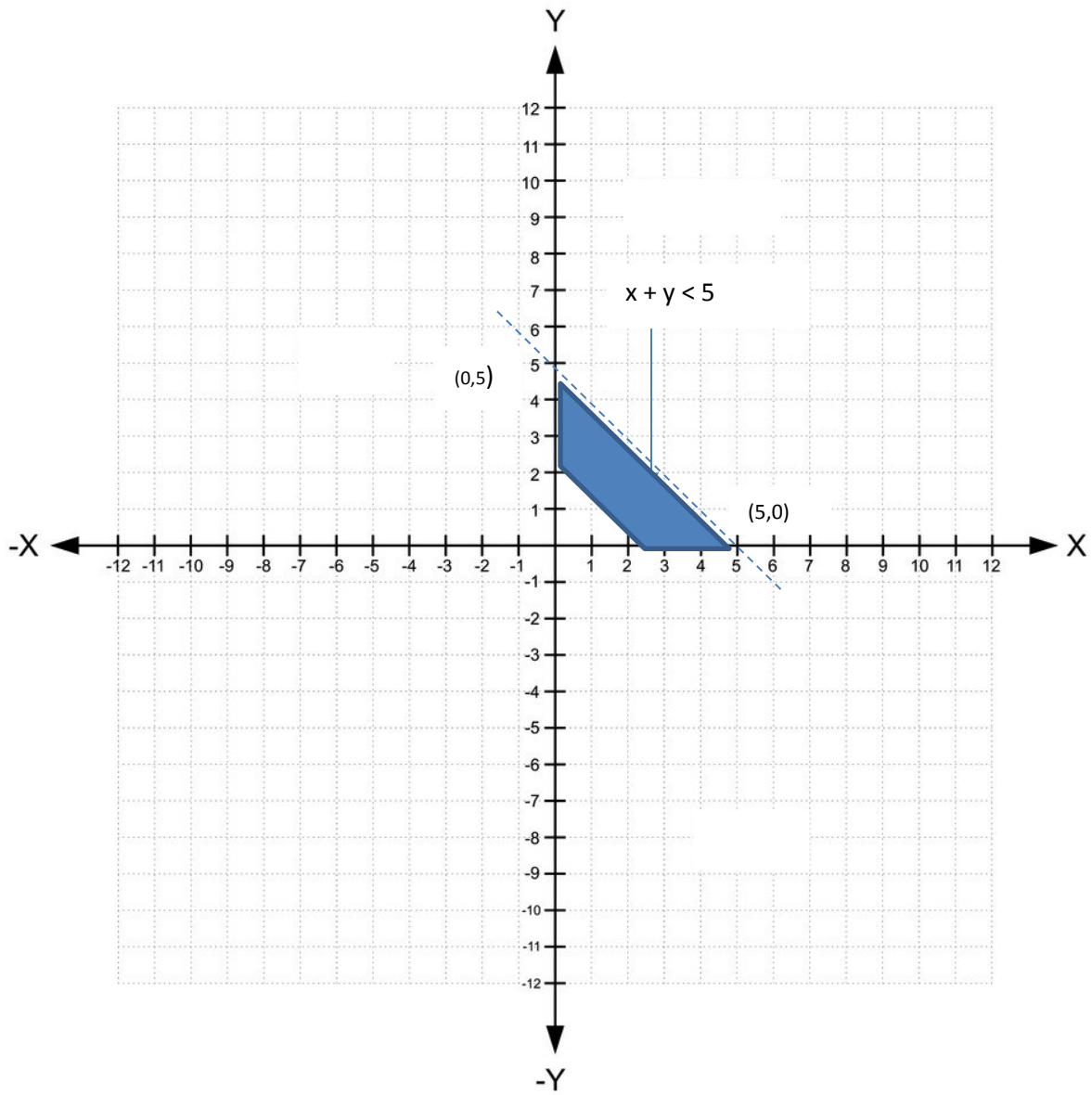
Exercise 17:

Q16)  $-3 < x < 0$  and  $-4 < y < 2$



Q18)  $x + y < 5$

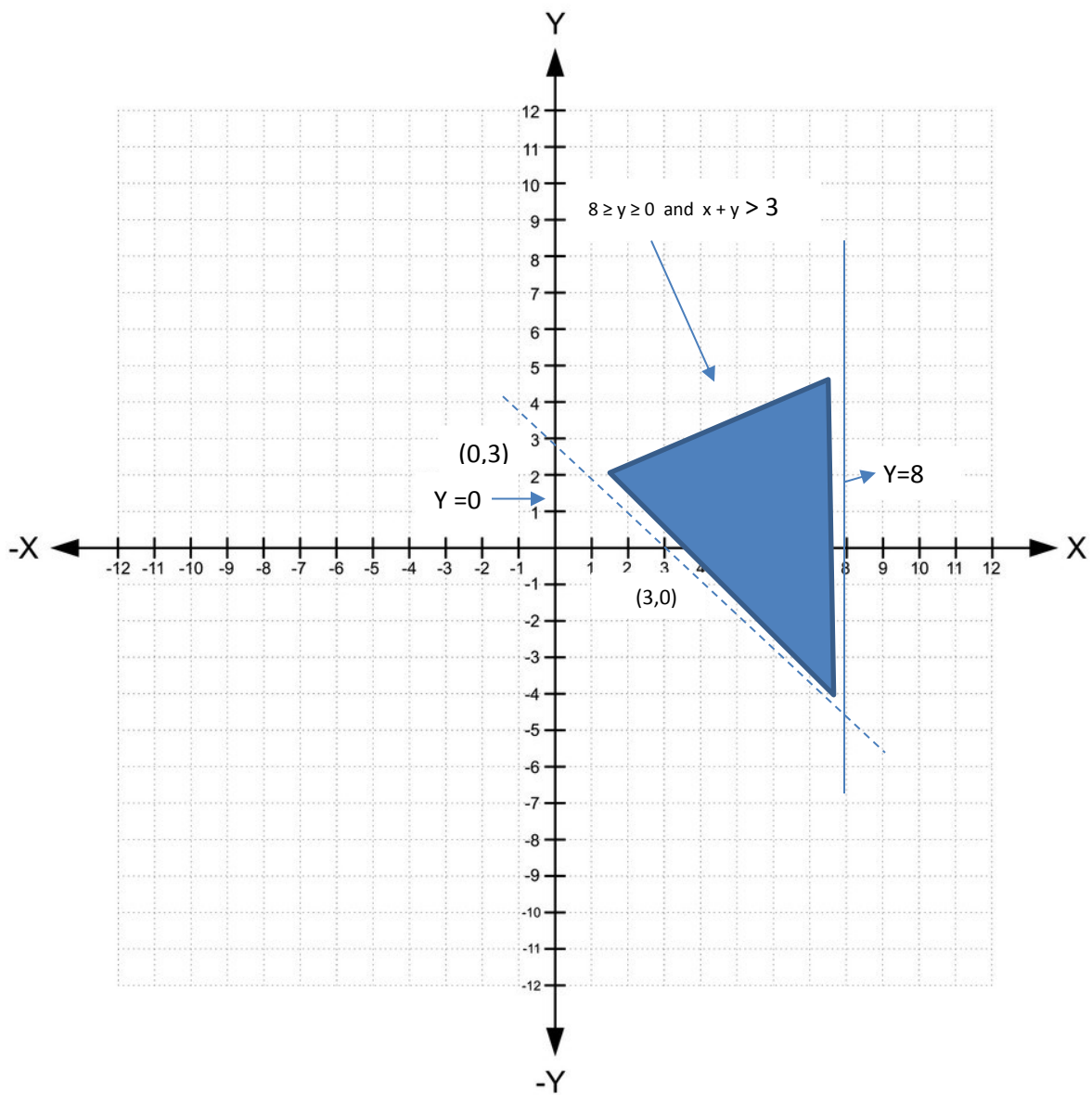
X	0	5
Y	5	0



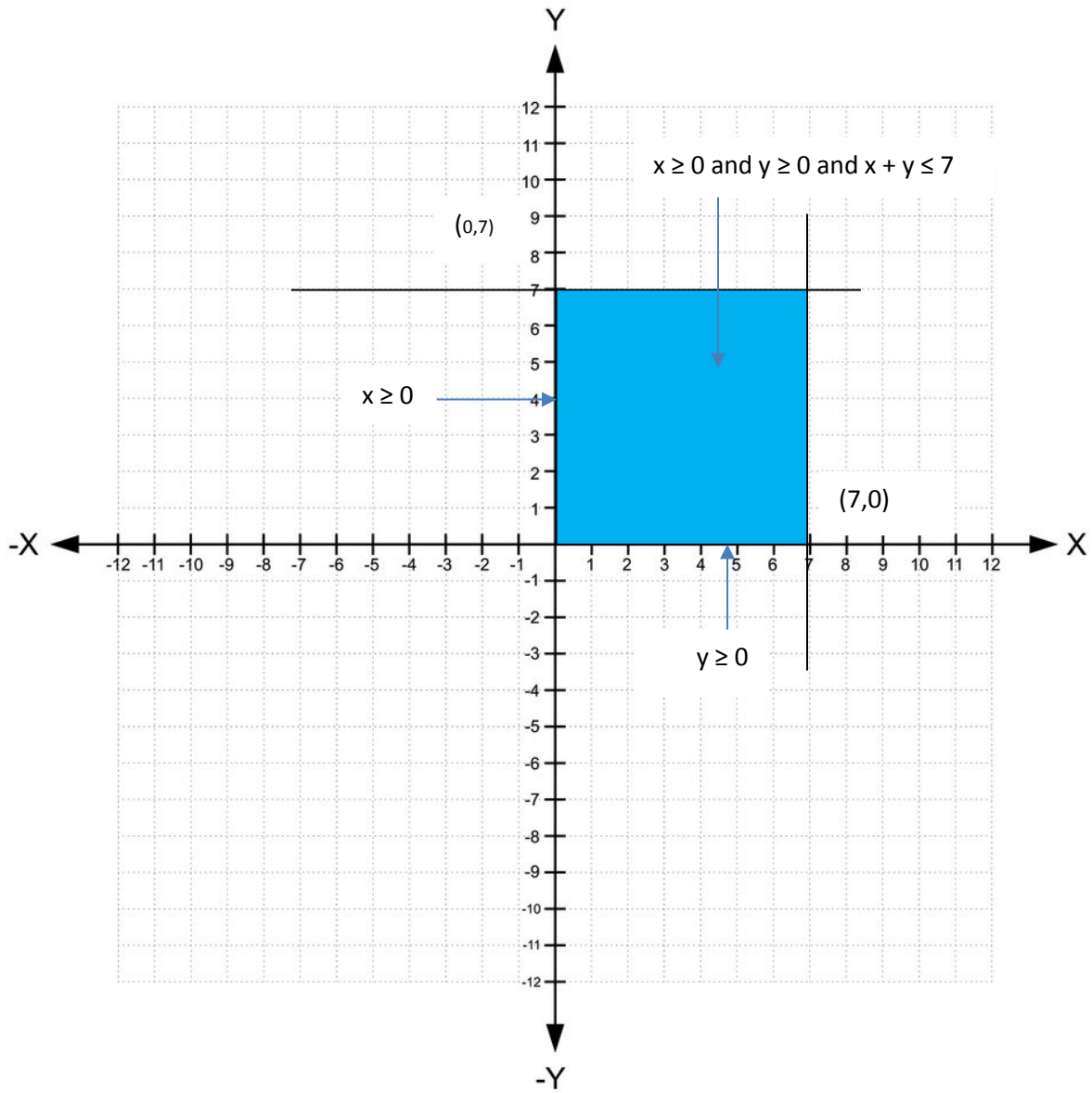
Q22)  $8 \geq y \geq 0$  and  $x + y > 3$

$Y = 8$   $Y = 0$  and  $x + y > 3$

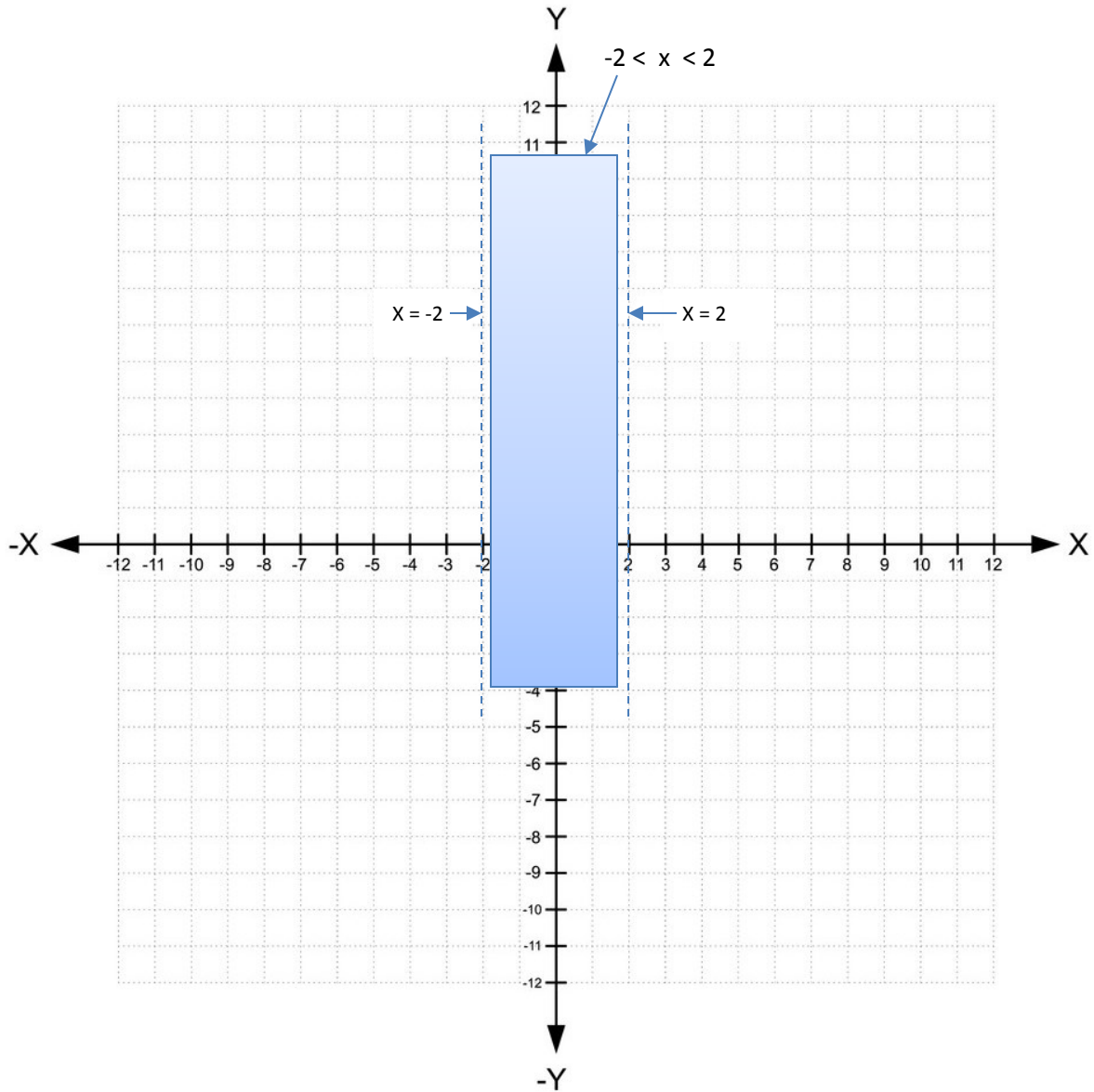
x	0	3
y	3	0



Q20)  $x \geq 0$  and  $y \geq 0$  and  $x + y \leq 7$



Q12)  $-2 < x < 2$   $x = 2; x = -2$



Q24)  $3x + 2y \leq 18$  and  $x \geq 0$  and  $y \geq 0$

$$3x \leq 18 \quad 2y \leq 18$$

$$x \leq 18/3 \quad y \leq 18/2$$

$$x \leq 6 \quad y \leq 9$$

