

# TASK TWO — TRANSLATIONS

You are to label the top of your grid sheet as Task Two - Translations. You then need to rule up your grid sheet with the x axis going from -10 to 10, and the y axis going from -10 to 10. You are to use the information given in each question below to draw a trapezoid at the starting location (make sure you label each trapezoid with its question number). You then need to follow the translation instructions for each question.

Once you have completed this, you need to click on the link on my website to input the coordinate locations AFTER the translations have been completed.

Coordinates to plot:

1. Begin on A(-9,9) B(-4,9) C(-10,5) D(-3,5) and translate the shape 6 units to the right (+6 units on the x axis).
2. Begin on A(-3,4) B(2,4) C(3,0) D(-4,0) and translate the shape 8 units down (-8 units on the y axis).
3. Begin on A(2,-1) B(7,-1) C(1,-5) D(8,-5) and translate the shape 6 units to the left (-6 units on the x axis).
4. Begin on A(0,-5) B(5,-5) C(-1,-9) D(6,-9) and translate the shape 10 units up (+10 units on the y axis).
5. Choose any of the problems above (indicate by writing #1, 2, 3 or 4 on your Google Form) and discuss any relationship you observe between the change in the ordered pair for each vertex, and the direction and number of units the shape was moved.