

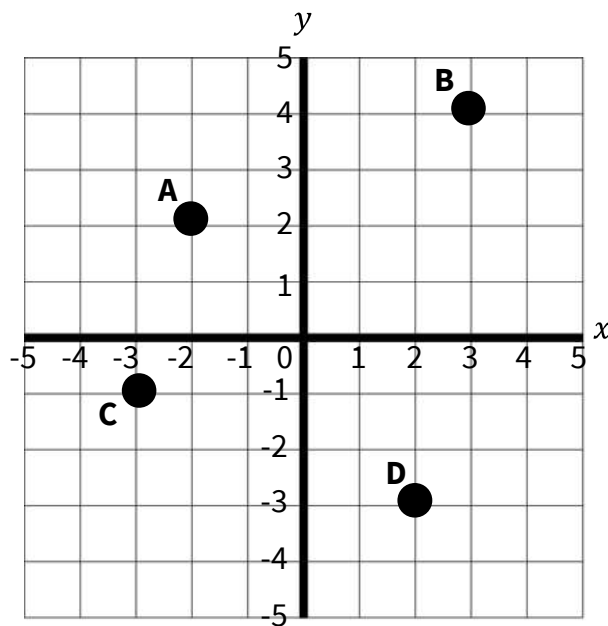
## To understand how to translate shapes in any quadrant - Questions

1. Write the translations of these points using the sentence stem.

left/ right/ up/ down

Translate \_\_\_\_ units to the \_\_\_\_\_ and \_\_\_\_ units \_\_\_\_\_.

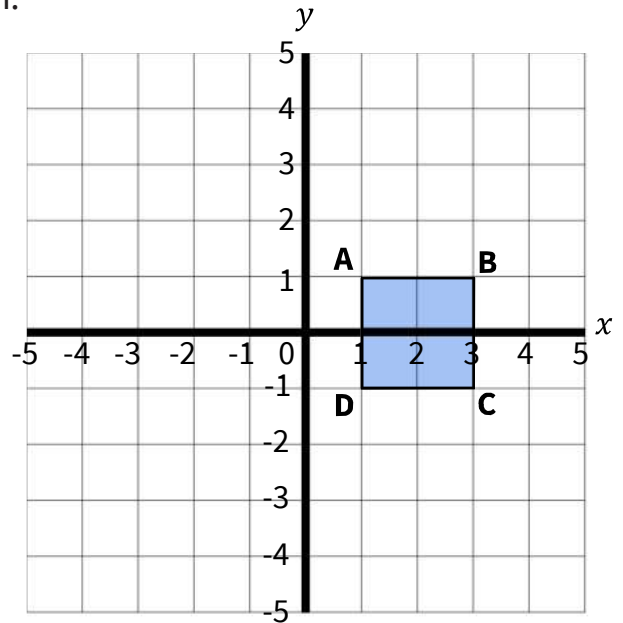
- a. Circle A to circle B
- b. Circle B to circle D
- c. Circle C to circle A
- d. Circle D to circle C
- e. Circle A to circle D



## To understand how to translate shapes in any quadrant - Questions

2. Translate square ABCD using the instructions. Write the new coordinates for the vertices each time you complete a translation.

- a. Translate 3 units to the left and 2 units down
- b. Translate 1 unit to the right and 4 units down
- c. Translate 4 units to the left and 3 units up
- d. Translate 5 units to the left and 1 unit up



3. Translate the triangle in at least 4 different ways.  
Write instructions to translate the triangle to the new position.  
Write the coordinates for each vertex in the new position.

