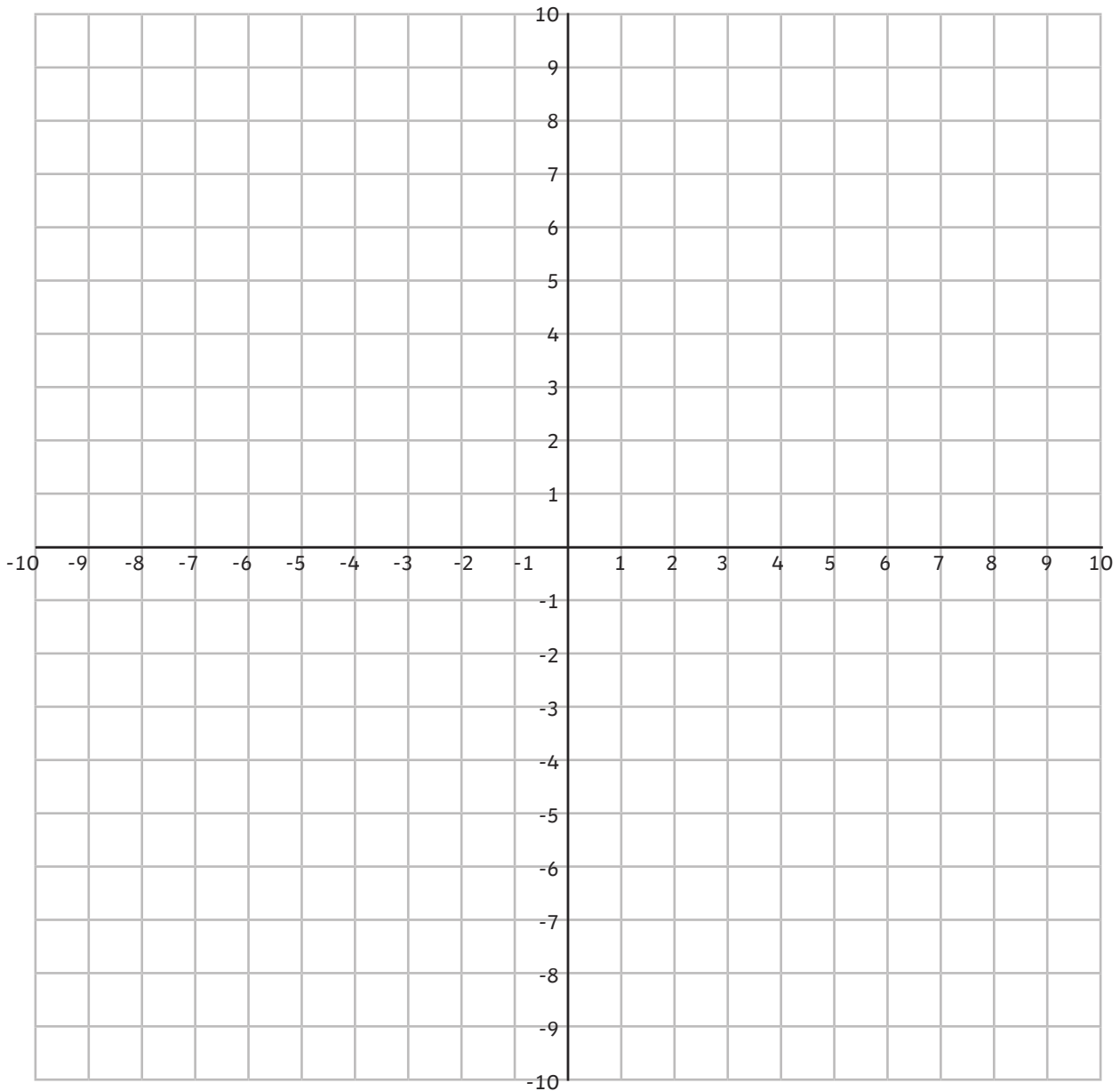


# Shape Coordinates

For each letter, plot the coordinates to reveal a missing shape.

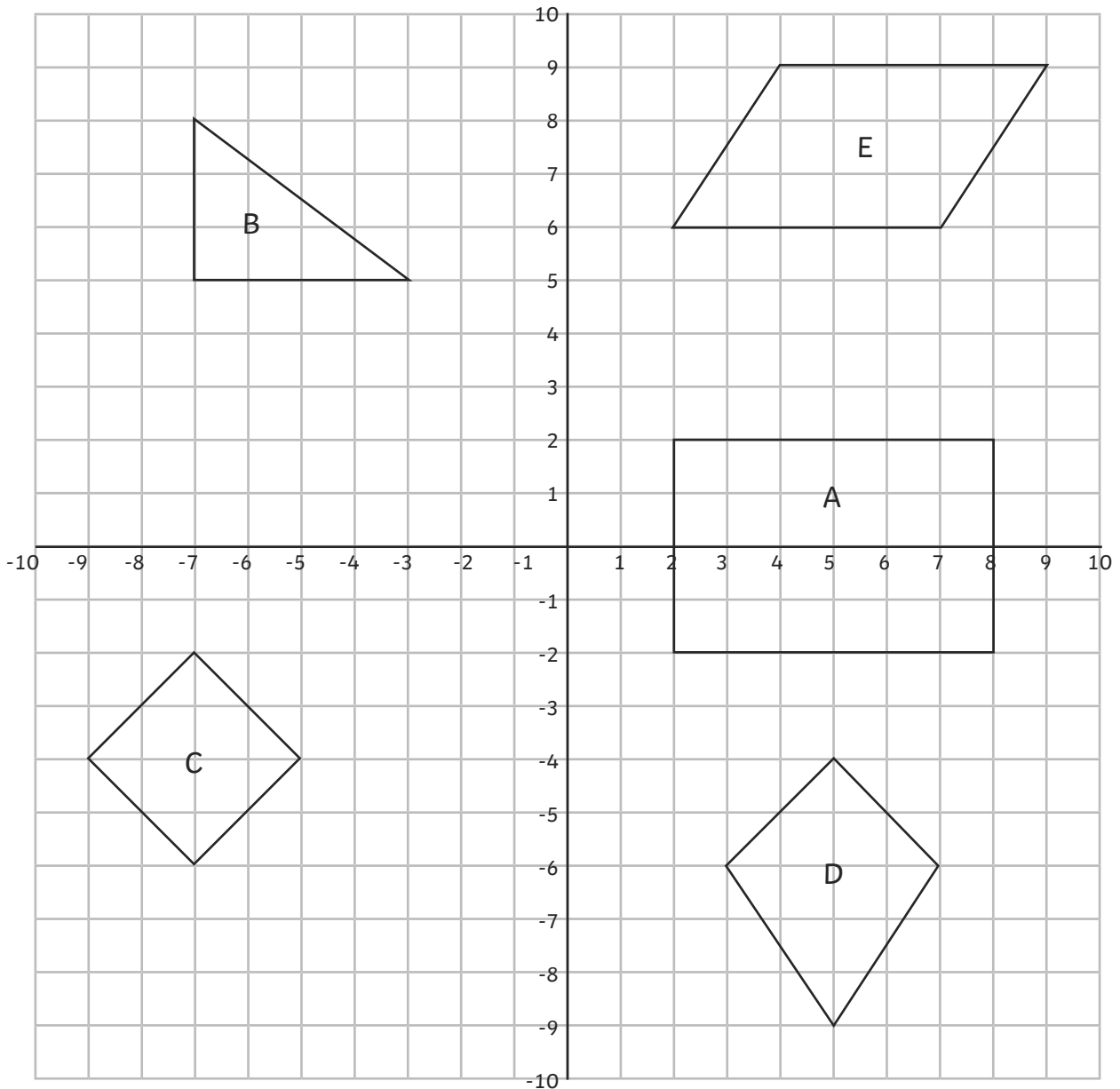
For each shape, you need to do the following:

- name the shape;
- describe the properties of the shape (think about sides, angles, how it can be described).



- A.  $(2,2)$   $(8,2)$   $(8,-2)$   $(2,-2)$   $(2,2)$  \_\_\_\_\_
- B.  $(-7,5)$   $(-7,8)$   $(-3,5)$   $(-7,5)$  \_\_\_\_\_
- C.  $(-7,-2)$   $(-9,-4)$   $(-7,-6)$   $(-5,-4)$   $(-7,-2)$  \_\_\_\_\_
- D.  $(5,-4)$   $(3,-6)$   $(5,-9)$   $(7,-6)$   $(5,-4)$  \_\_\_\_\_
- E.  $(4,9)$   $(2,6)$   $(7,6)$   $(9,9)$   $(4,9)$  \_\_\_\_\_

# Shape Coordinates Answers



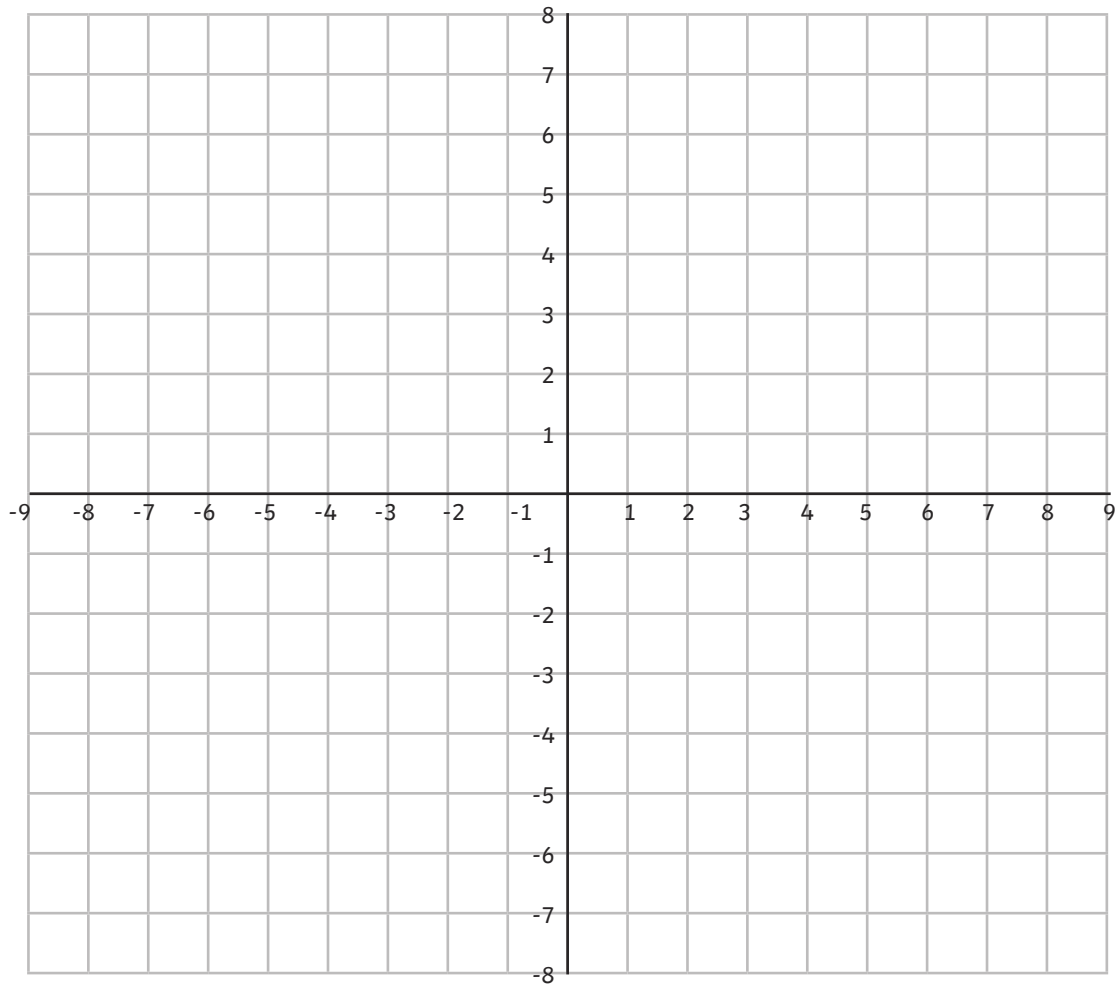
- A. (2,2) (8,2) (8,-2) (2,-2) (2,2) **rectangle**
- B. (-7,5) (-7,8) (-3,5) (-7,5) **right-angled triangle**
- C. (-7,-2) (-9,-4) (-7,-6) (-5,-4) (-7,-2) **square**
- D. (5,-4) (3,-6) (5,-9) (7,-6) (5,-4) **kite**
- E. (4,9) (2,6) (7,6) (9,9) (4,9) **parallelogram**

# Shape Coordinates

For each letter, plot the coordinates to reveal a missing shape.

For each shape, you need to do the following:

- name the shape;
- describe the properties of the shape (think about sides, angles, how it can be described).

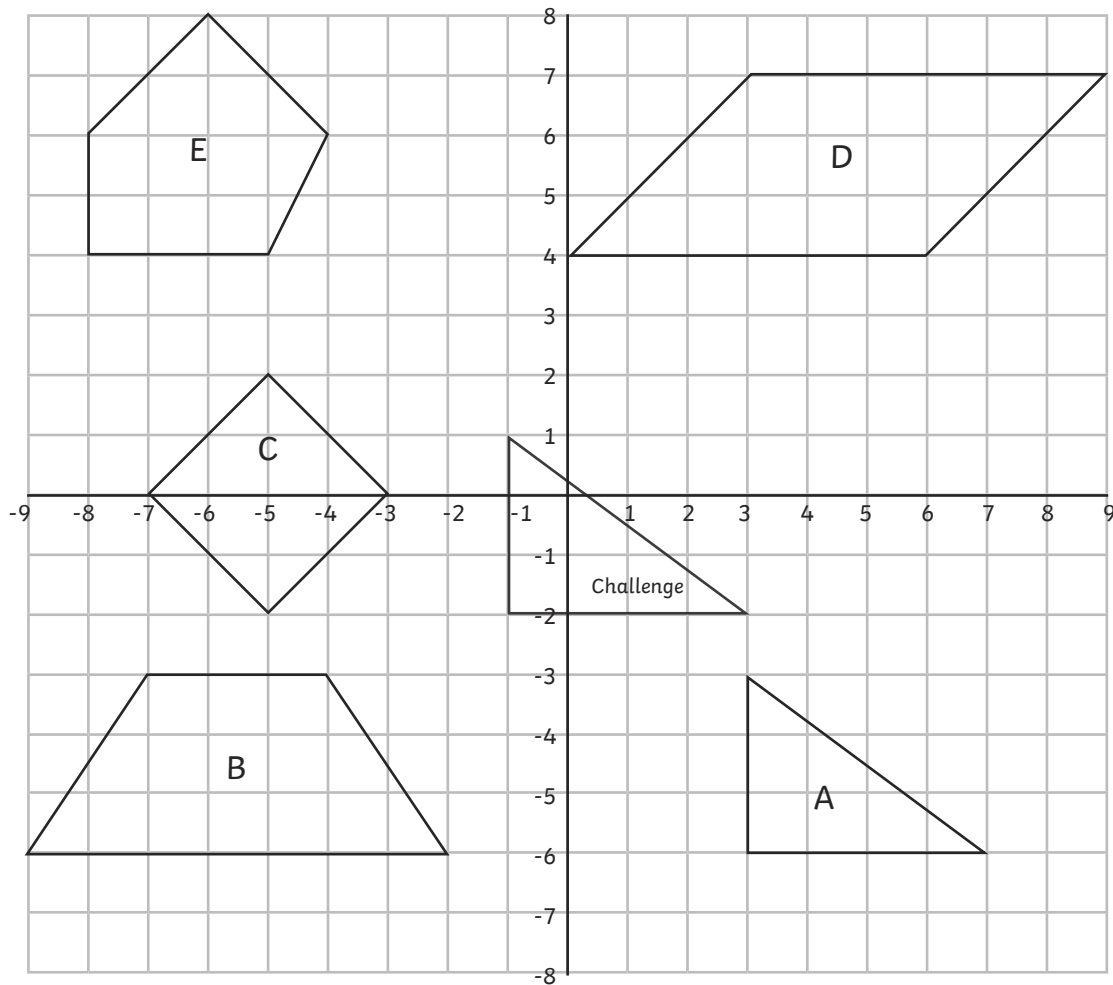


- A.  $(3,-3)$   $(3,-6)$   $(7,-6)$  \_\_\_\_\_
- B.  $(-7,-3)$   $(-9,-6)$   $(-2,-6)$   $(-4,-3)$  \_\_\_\_\_
- C.  $(-3,0)$   $(-5,2)$   $(-7,0)$   $(-5,-2)$  \_\_\_\_\_
- D.  $(0,4)$   $(3,7)$   $(9,7)$   $(6,4)$  \_\_\_\_\_
- E.  $(-5,4)$   $(-8,4)$   $(-8,6)$   $(-6,8)$   $(-4,6)$  \_\_\_\_\_

**Challenge:** Translate shape A 4 left and 4 up. Write the new coordinates.

( , ) ( , ) ( , )

# Shape Coordinates Answers



- A.  $(3, -3)$   $(3, -6)$   $(7, -6)$  **right-angled triangle**
- B.  $(-7, -3)$   $(-9, -6)$   $(-2, -6)$   $(-4, -3)$  **trapezium**
- C.  $(-3, 0)$   $(-5, 2)$   $(-7, 0)$   $(-5, -2)$  **square**
- D.  $(0, 4)$   $(3, 7)$   $(9, 7)$   $(6, 4)$  **parallelogram**
- E.  $(-5, 4)$   $(-8, 4)$   $(-8, 6)$   $(-6, 8)$   $(-4, 6)$  **irregular pentagon**

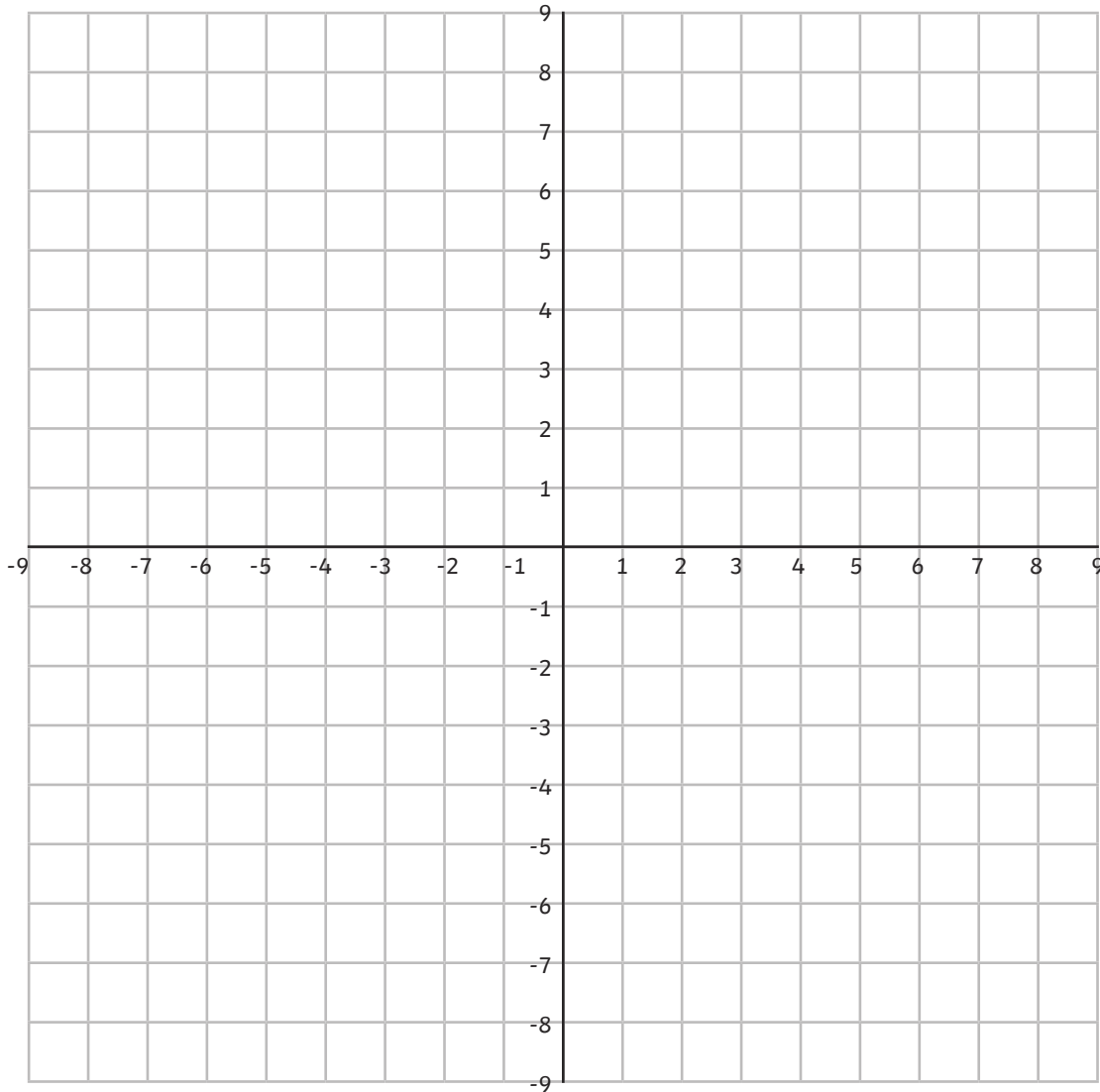
**Challenge:** Translate shape A 4 left and 4 up. Write the new coordinates.  
 **$(-1, 1)$   $(-1, -2)$   $(3, -2)$**

# Shape Coordinates

For each letter, plot the coordinates to reveal a missing shape.

For each shape, you need to do the following:

- name the shape;
- describe the properties of the shape (think about sides, angles, how it can be described).

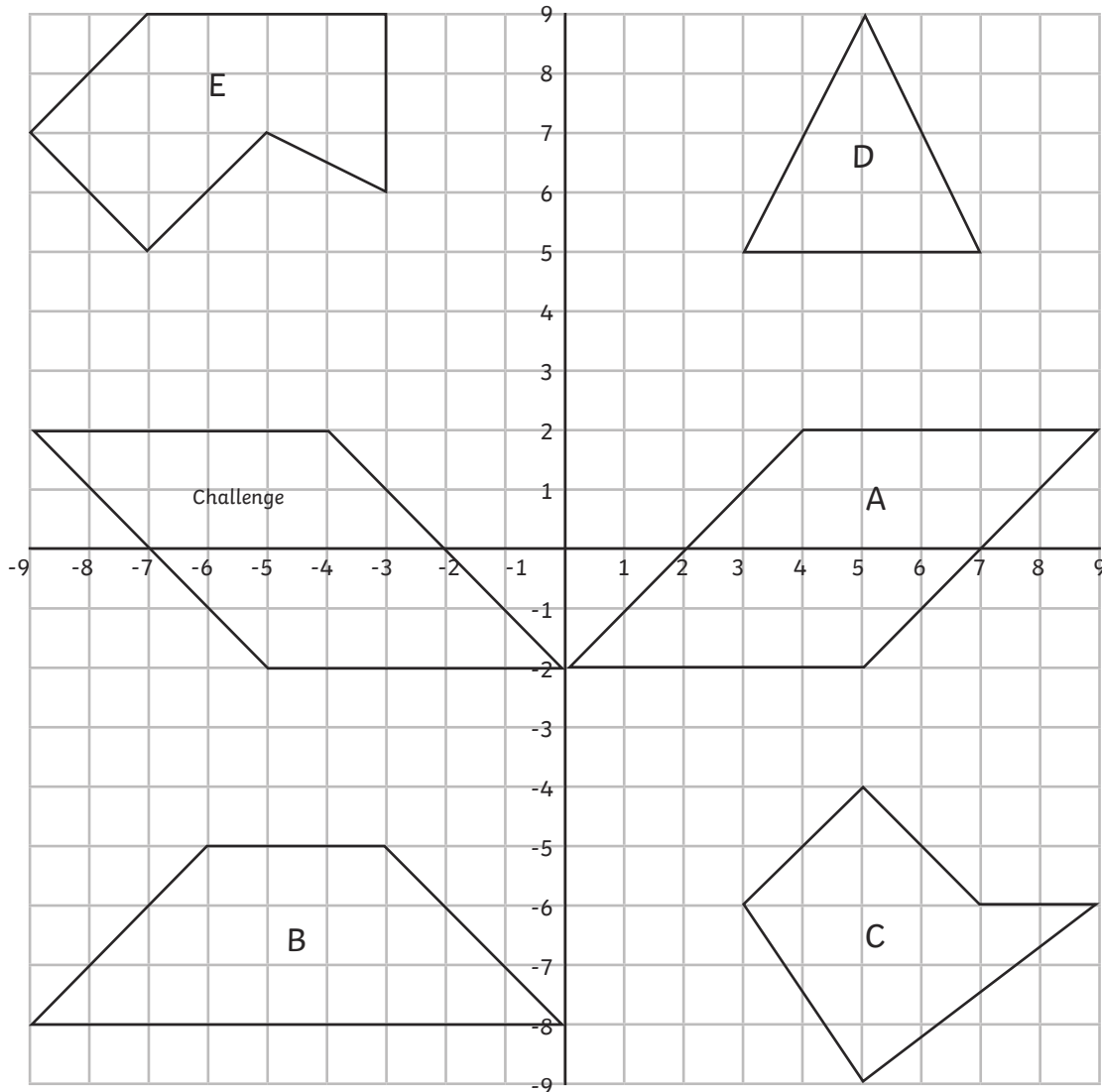


- A.  $(0,-2)$   $(4,2)$   $(9,2)$   $(5,-2)$   $(0,-2)$  \_\_\_\_\_
- B.  $(-9,-8)$   $(0,-8)$   $(-3,-5)$   $(-6,-5)$   $(-9,-8)$  \_\_\_\_\_
- C.  $(5,-9)$   $(9,-6)$   $(7,-6)$   $(5,-4)$   $(3,-6)$   $(5,-9)$  \_\_\_\_\_
- D.  $(3,5)$   $(7,5)$   $(5,9)$   $(3,5)$  \_\_\_\_\_
- E.  $(-7,5)$   $(-5,7)$   $(-3,6)$   $(-3,9)$   $(-7,9)$   $(-9,7)$   $(-7,5)$  \_\_\_\_\_

**Challenge:** Reflect shape A in the y axis. Write the new coordinates.

( , ) ( , ) ( , ) ( , ) ( , )

# Shape Coordinates Answers



- A.  $(0, -2)$   $(4, 2)$   $(9, 2)$   $(5, -2)$   $(0, -2)$  **parallelogram**
- B.  $(-9, -8)$   $(0, -8)$   $(-3, -5)$   $(-6, -5)$   $(-9, -8)$  **trapezium**
- C.  $(5, -9)$   $(9, -6)$   $(7, -6)$   $(5, -4)$   $(3, -6)$   $(5, -9)$  **irregular pentagon**
- D.  $(3, 5)$   $(7, 5)$   $(5, 9)$   $(3, 5)$  **isosceles triangle**
- E.  $(-7, 5)$   $(-5, 7)$   $(-3, 6)$   $(-3, 9)$   $(-7, 9)$   $(-9, 7)$   $(-7, 5)$  **irregular hexagon**

**Challenge:** Reflect shape A in the y axis. Write the new coordinates.

**$(0, -2)$   $(-5, -2)$   $(-9, 2)$   $(-4, 2)$   $(0, -2)$**