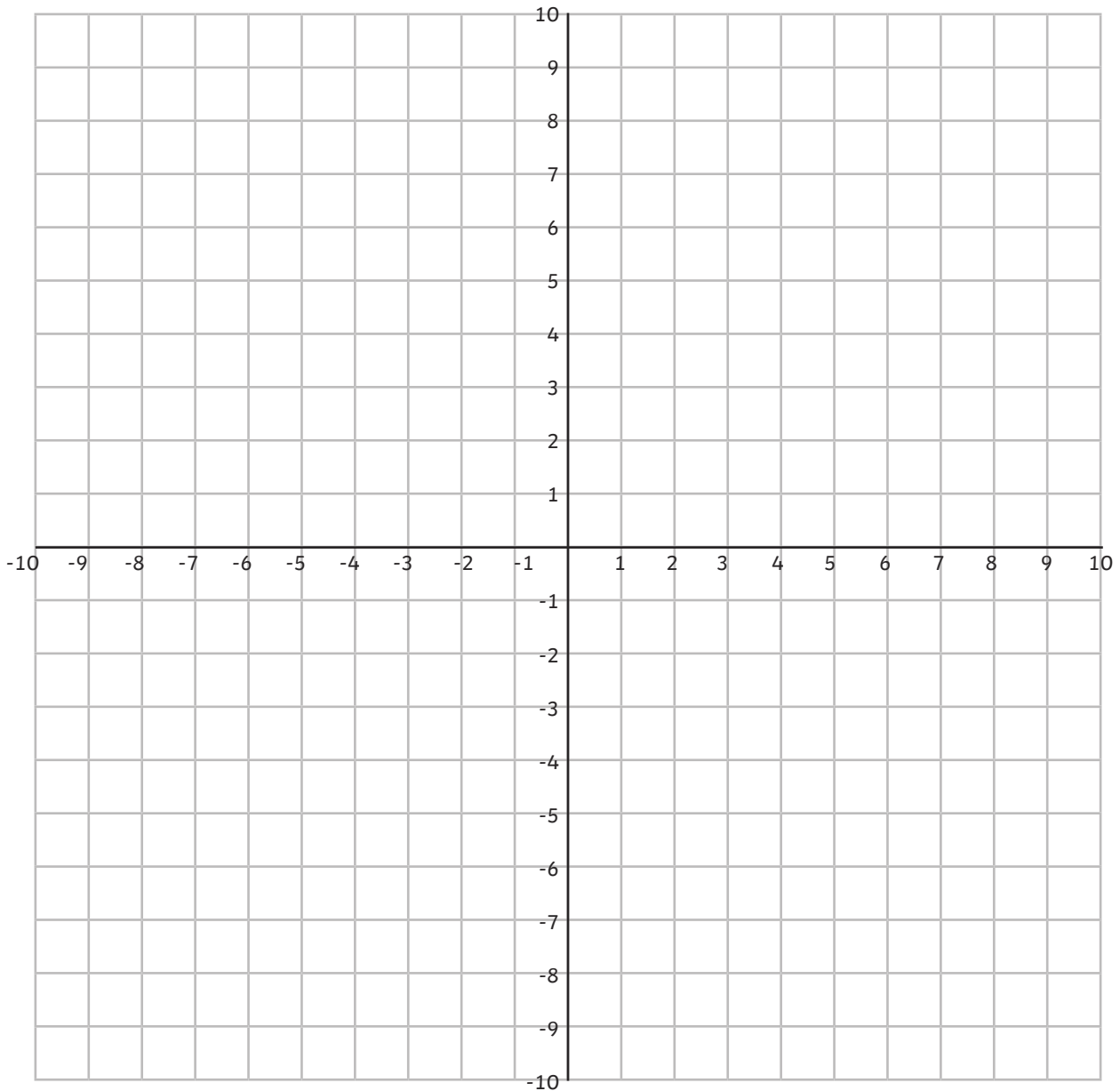


Shape Coordinates

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

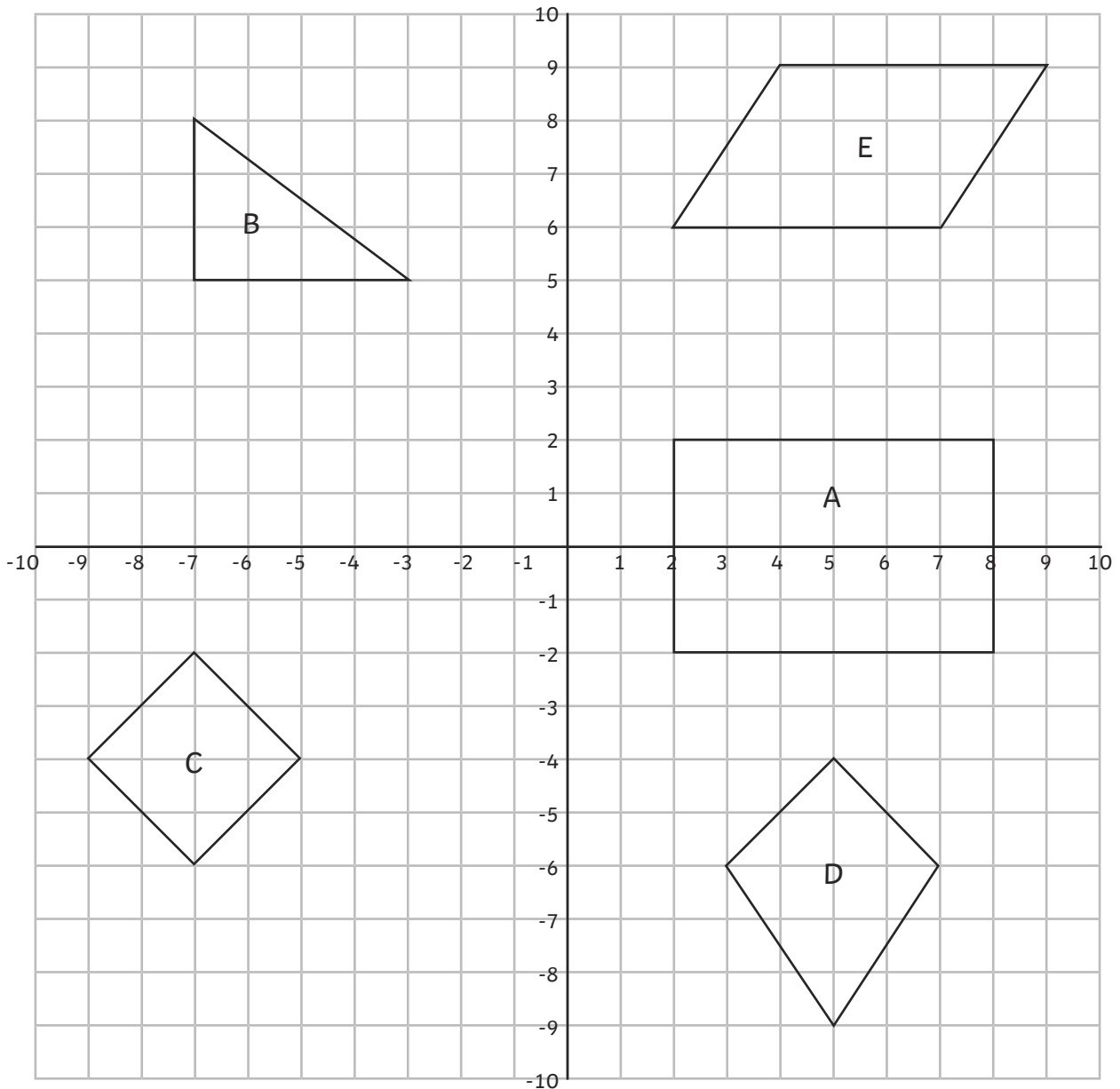
For each shape, you need to do the following:

- 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



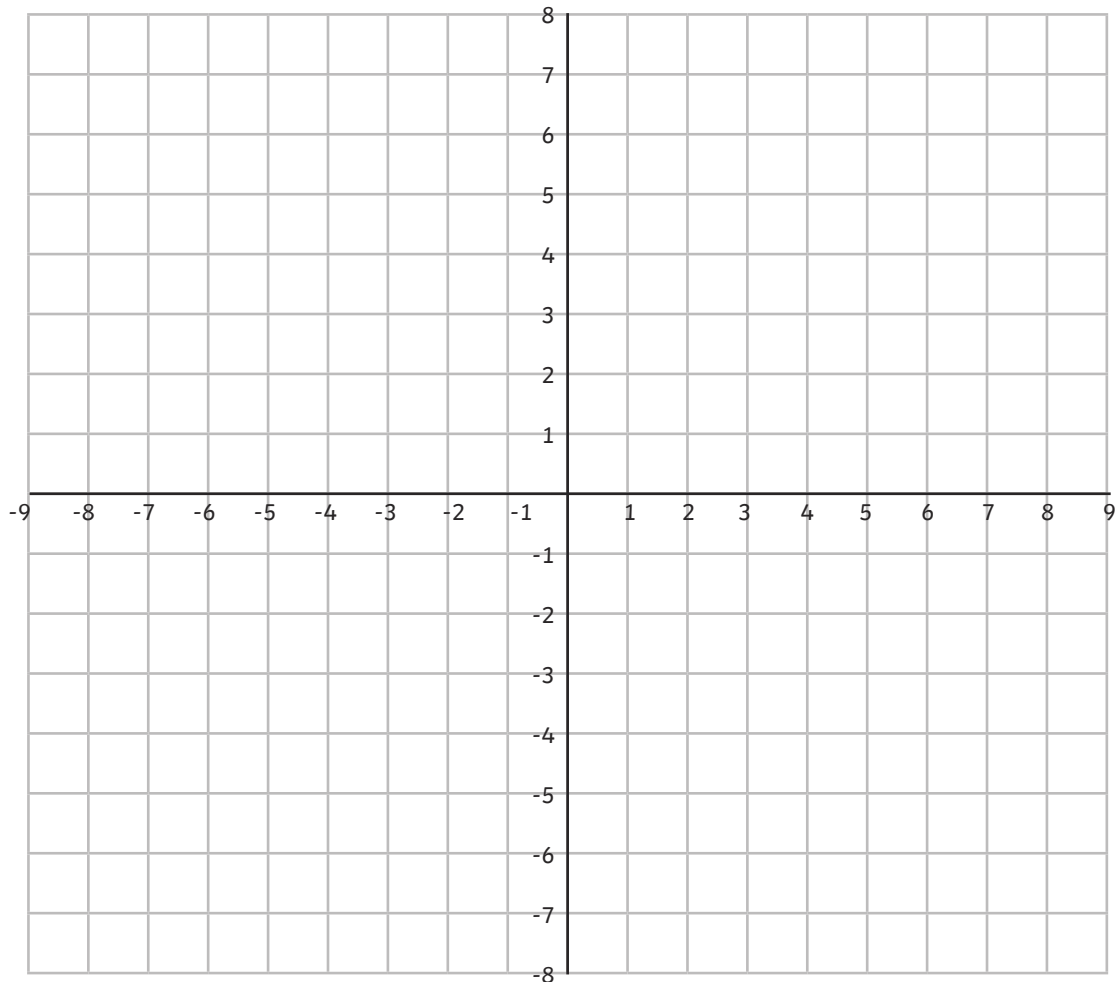
- A. (2,2) (8,2) (8,-2) (2,-2) (2,2) **rectangle**
- B. (-7,5) (-7,8) (-3,5) (-7,5) **right-angled triangle**
- C. (-7,-2) (-9,-4) (-7,-6) (-5,-4) (-7,-2) **square**
- D. (5,-4) (3,-6) (5,-9) (7,-6) (5,-4) **kite**
- E. (4,9) (2,6) (7,6) (9,9) (4,9) **parallelogram**

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).

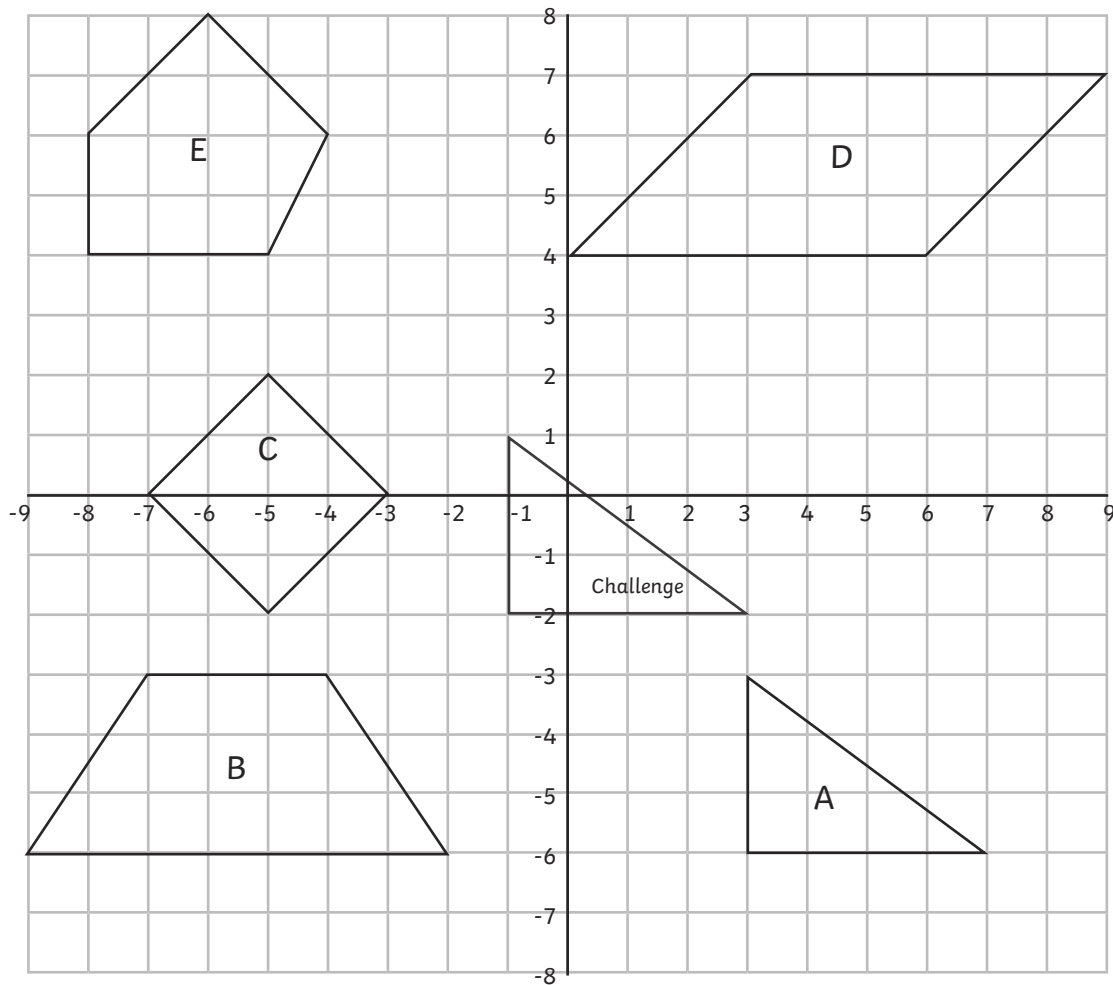


- A. $(3,-3)$ $(3,-6)$ $(7,-6)$ _____
- B. $(-7,-3)$ $(-9,-6)$ $(-2,-6)$ $(-4,-3)$ _____
- C. $(-3,0)$ $(-5,2)$ $(-7,0)$ $(-5,-2)$ _____
- D. $(0,4)$ $(3,7)$ $(9,7)$ $(6,4)$ _____
- E. $(-5,4)$ $(-8,4)$ $(-8,6)$ $(-6,8)$ $(-4,6)$ _____

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**

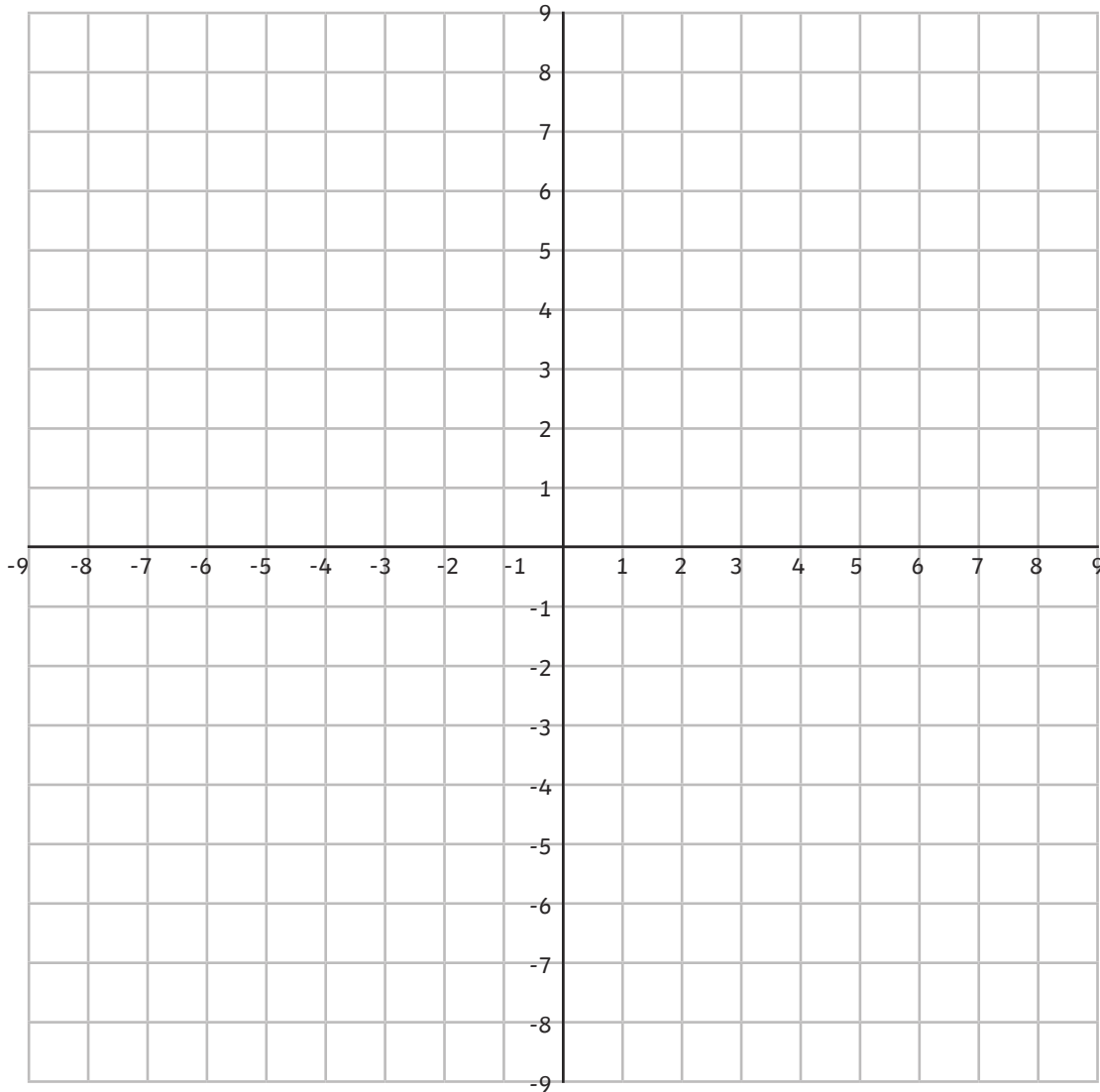
Challenge: Translate shape A 4 left and 4 up. Write the new coordinates.
 $(-1, 1)$ $(-1, -2)$ $(3, -2)$

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).

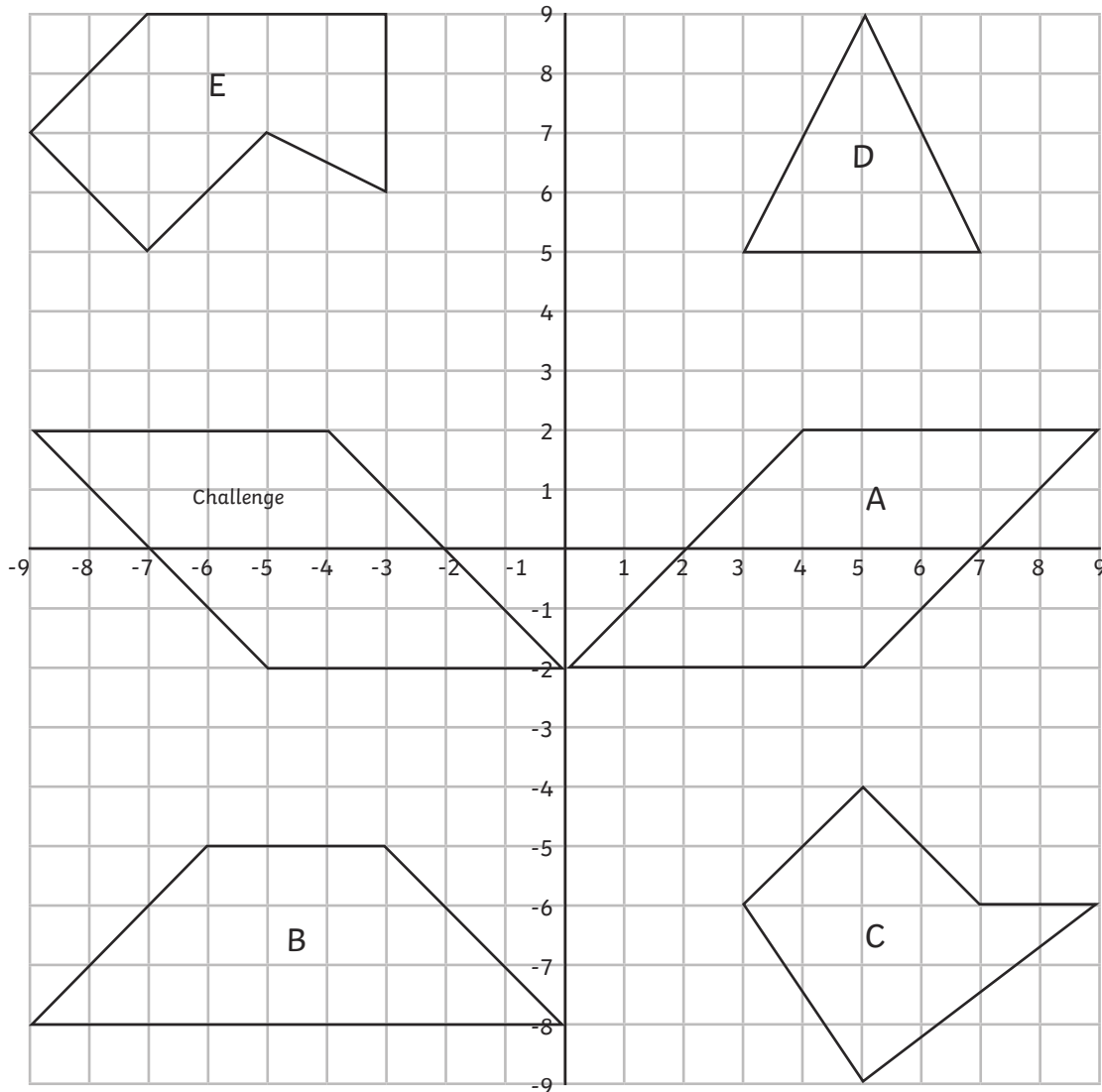


- A. $(0,-2)$ $(4,2)$ $(9,2)$ $(5,-2)$ $(0,-2)$ _____
- B. $(-9,-8)$ $(0,-8)$ $(-3,-5)$ $(-6,-5)$ $(-9,-8)$ _____
- C. $(5,-9)$ $(9,-6)$ $(7,-6)$ $(5,-4)$ $(3,-6)$ $(5,-9)$ _____
- D. $(3,5)$ $(7,5)$ $(5,9)$ $(3,5)$ _____
- E. $(-7,5)$ $(-5,7)$ $(-3,6)$ $(-3,9)$ $(-7,9)$ $(-9,7)$ $(-7,5)$ _____

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

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

Shape Coordinates Answers



- A. $(0,-2)$ $(4,2)$ $(9,2)$ $(5,-2)$ $(0,-2)$ **rhombus**
- 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.

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