



Name ..... Class ..... Date .....

1. How can you remember the order of the coordinates? Write yourself a way to remember:

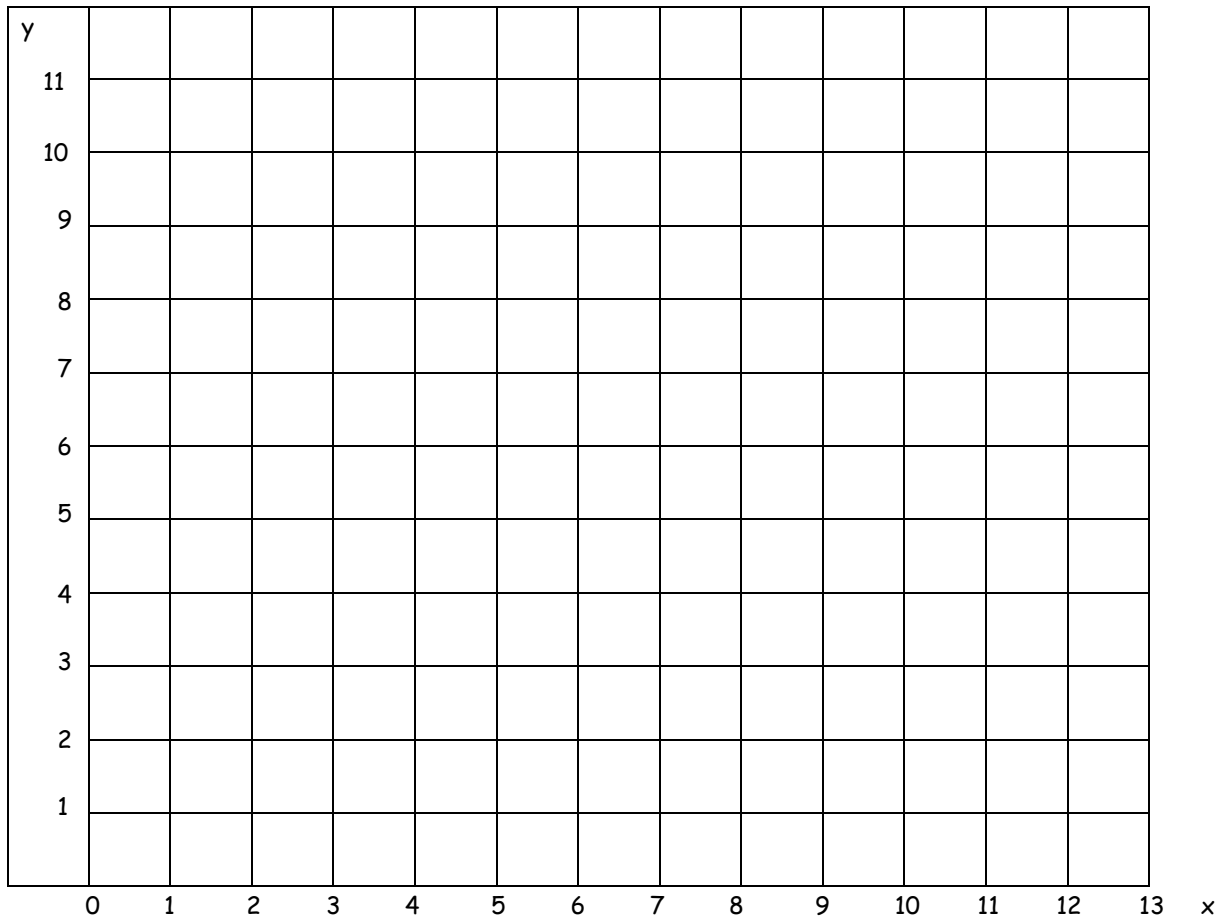
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2. Plot the following coordinates on the graph below:

(1, 5)      (6, 6)      (8, 10)      (11, 6)      (9, 1)      (0, 2)



Join the coordinates. What is the shape?

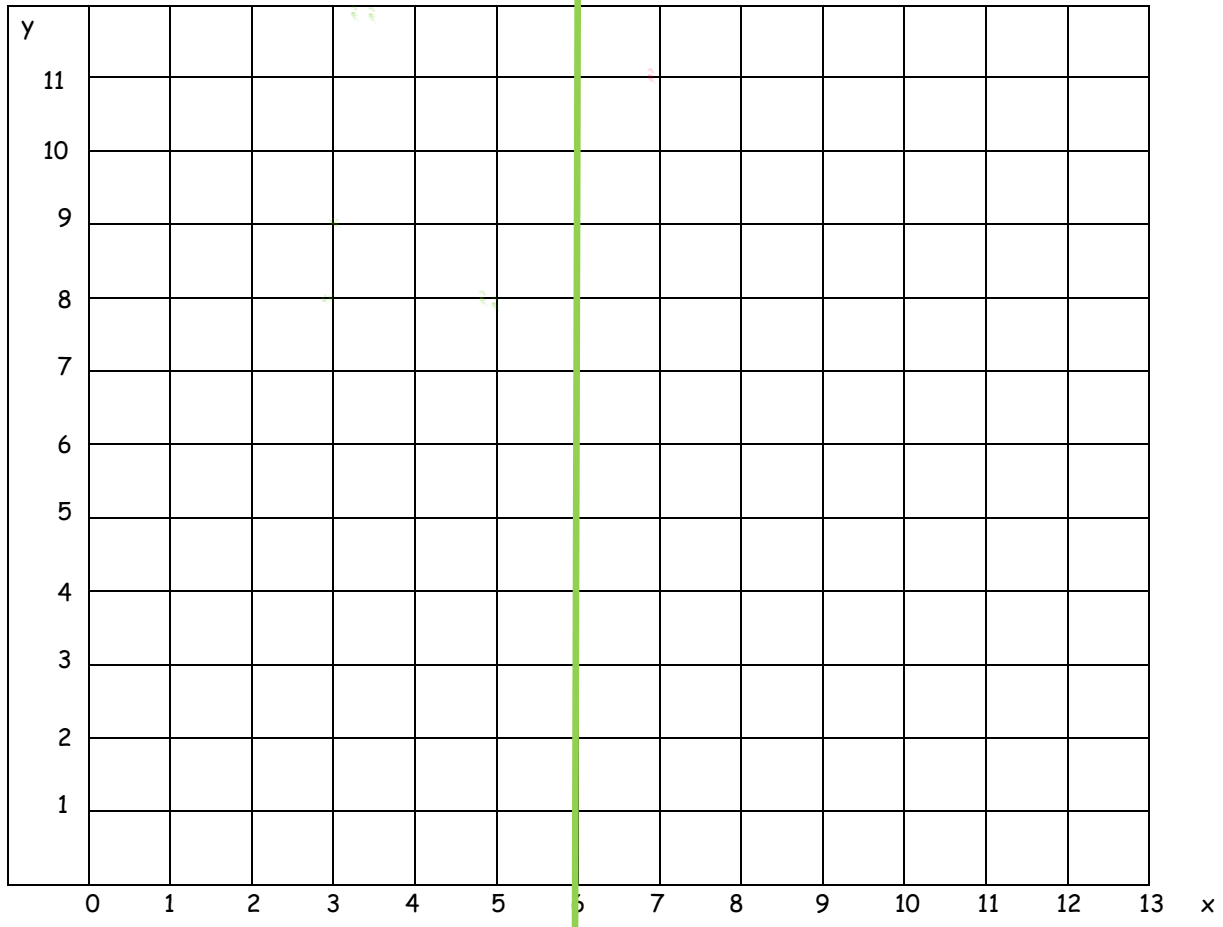


Name ..... Class ..... Date .....

1. Plot the following coordinates on the grid below:

(0, 8)      (2, 11)      (5, 9)      (3, 0)      (1, 1)

Mirror Line



What is the name of this shape?

2. Reflect the above shape in the mirror line. Show on the graph and write the coordinates below:

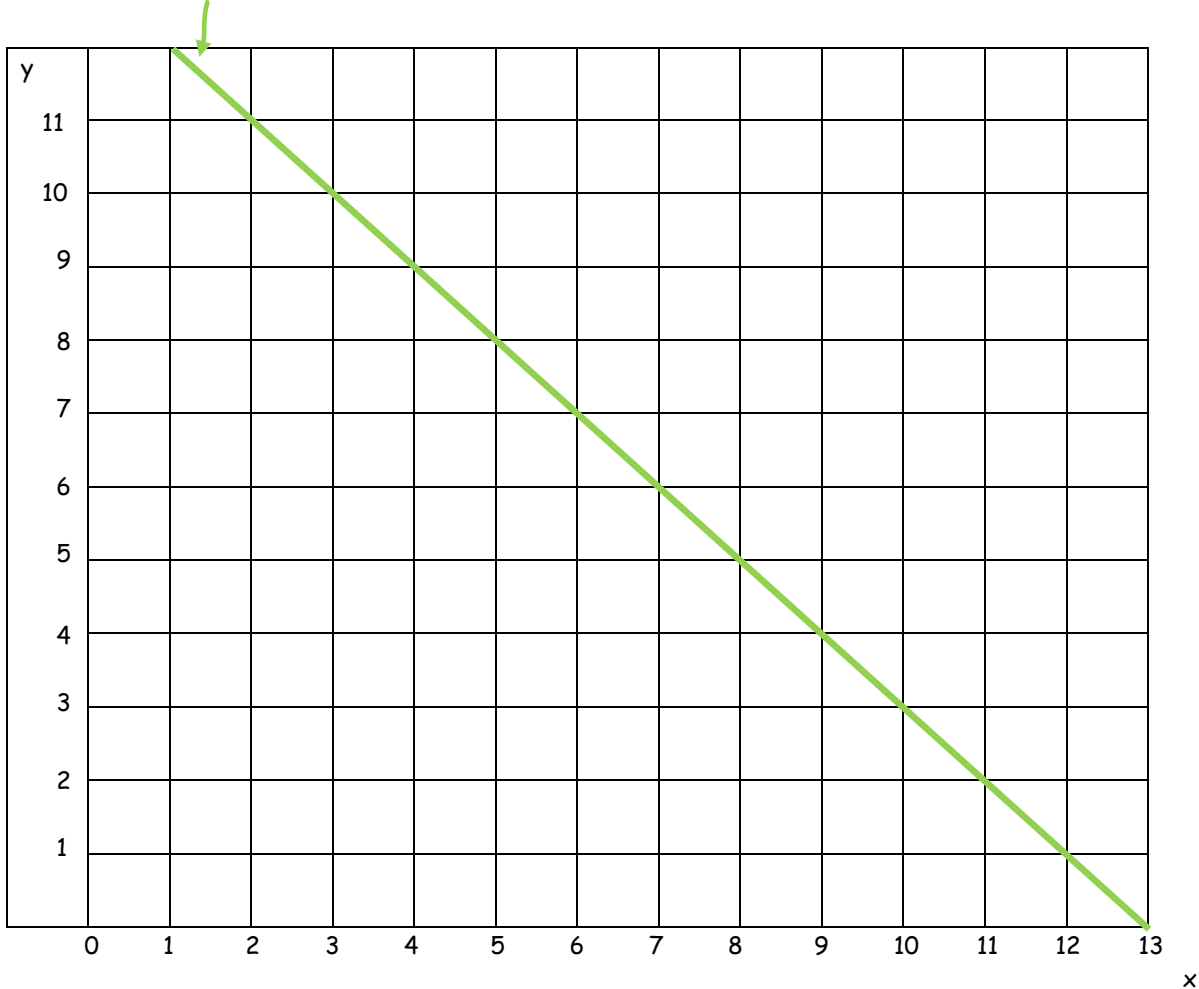
( , )      ( , )      ( , )      ( , )      ( , )



Name ..... Class ..... Date .....

1. Use the following graph:

Mirror line



i. Plot these coordinates and join them up to make a shape:  
(2, 6) (3, 7) (5, 4) (7, 5) (6, 1) (3, 0)

ii. Reflect the shape in the mirror line above and write down the coordinates of the reflected shape:

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2. Explain what happens when a shape is reflected:



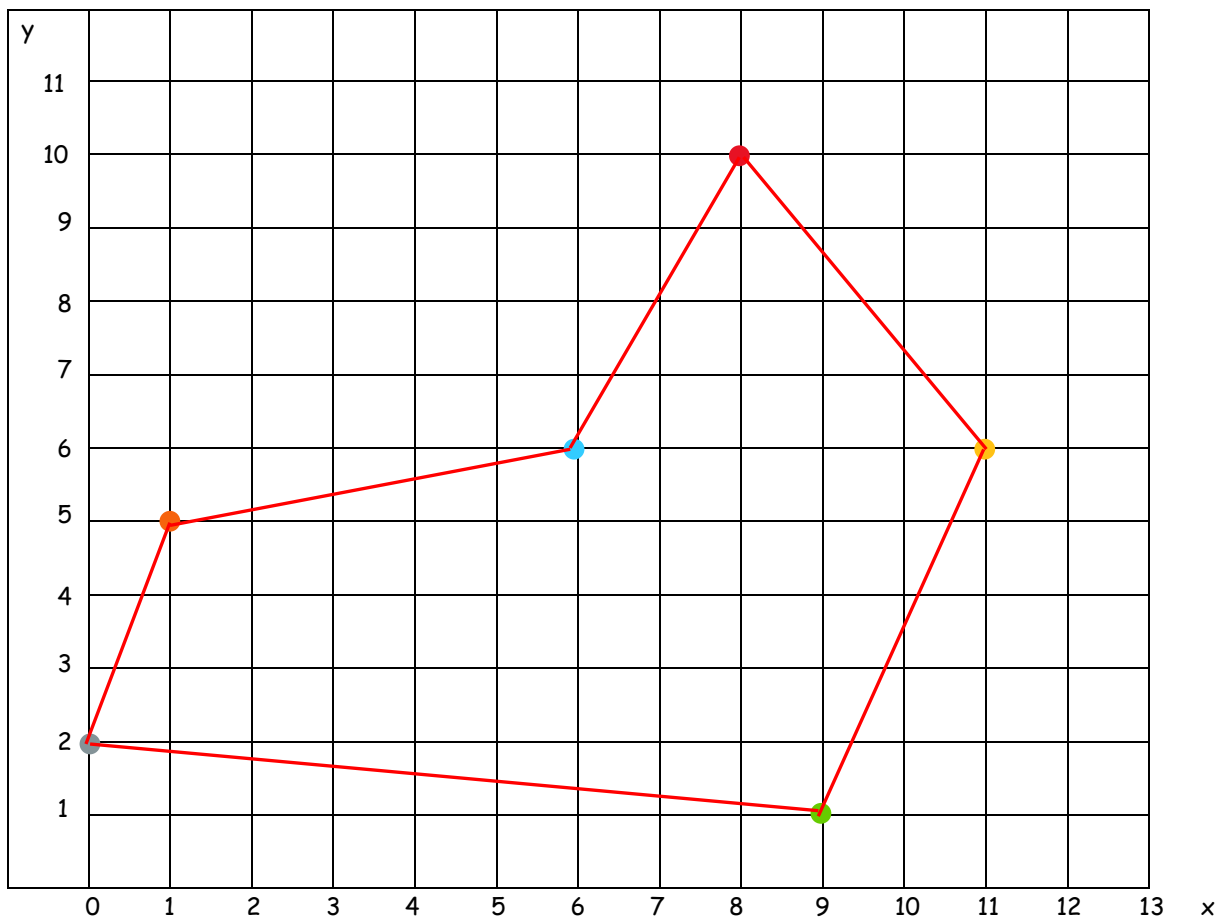
1. How can you remember the order of the coordinates? Write yourself a way to remember:

For example:

- Along the corridor, up the stairs
- 'x' before 'y' in the alphabet

2. Plot the following coordinates on the graph below:

(1, 5) ● (6, 6) ● (8, 10) ● (11, 6) ● (9, 1) ● (0, 2) ●



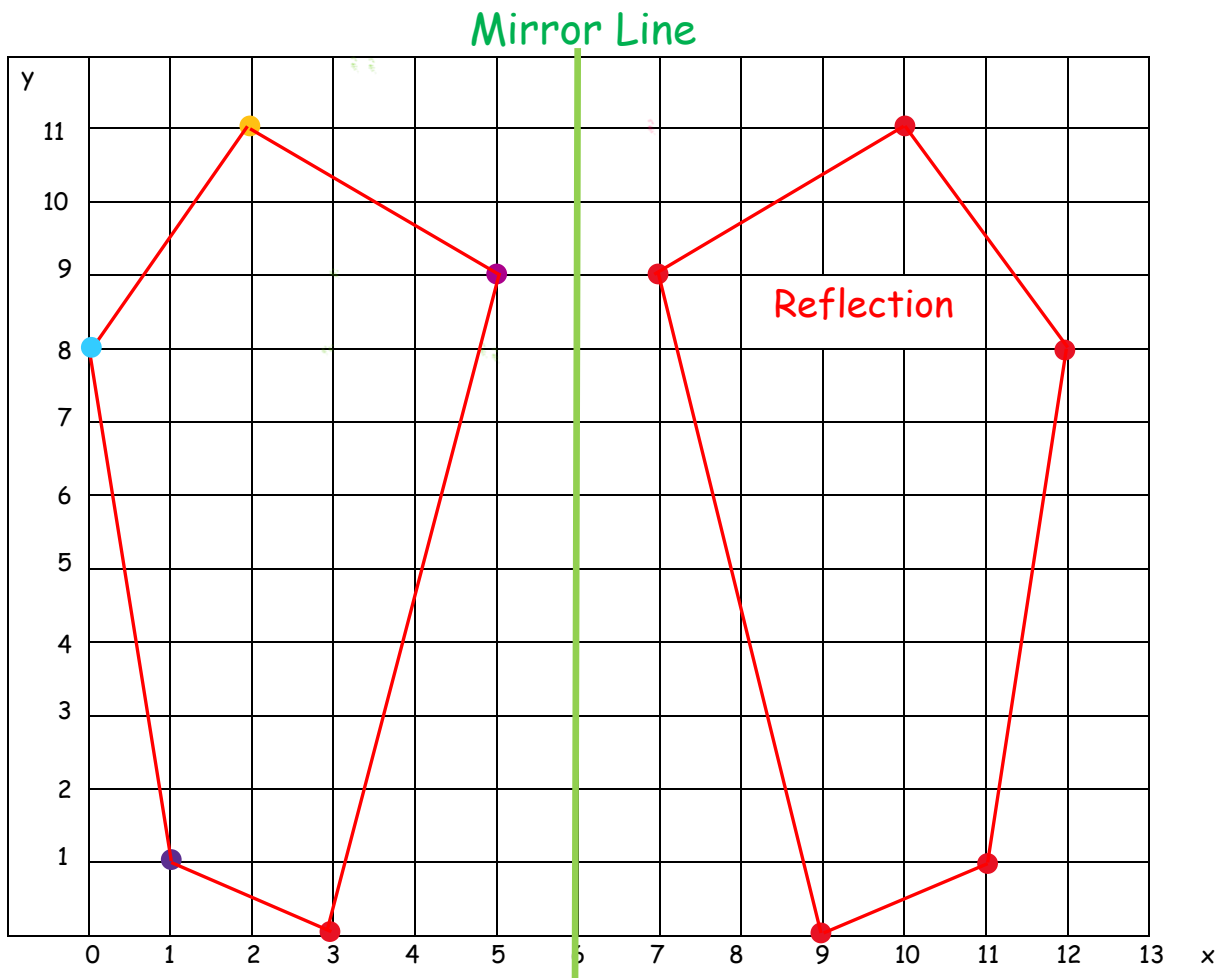
Join the coordinates. What is the shape?

Hexagon



1. Plot the following coordinates on the grid below:

$(0, 8)$   $(2, 11)$   $(5, 9)$   $(3, 0)$   $(1, 1)$



What is the name of this shape?

Pentagon

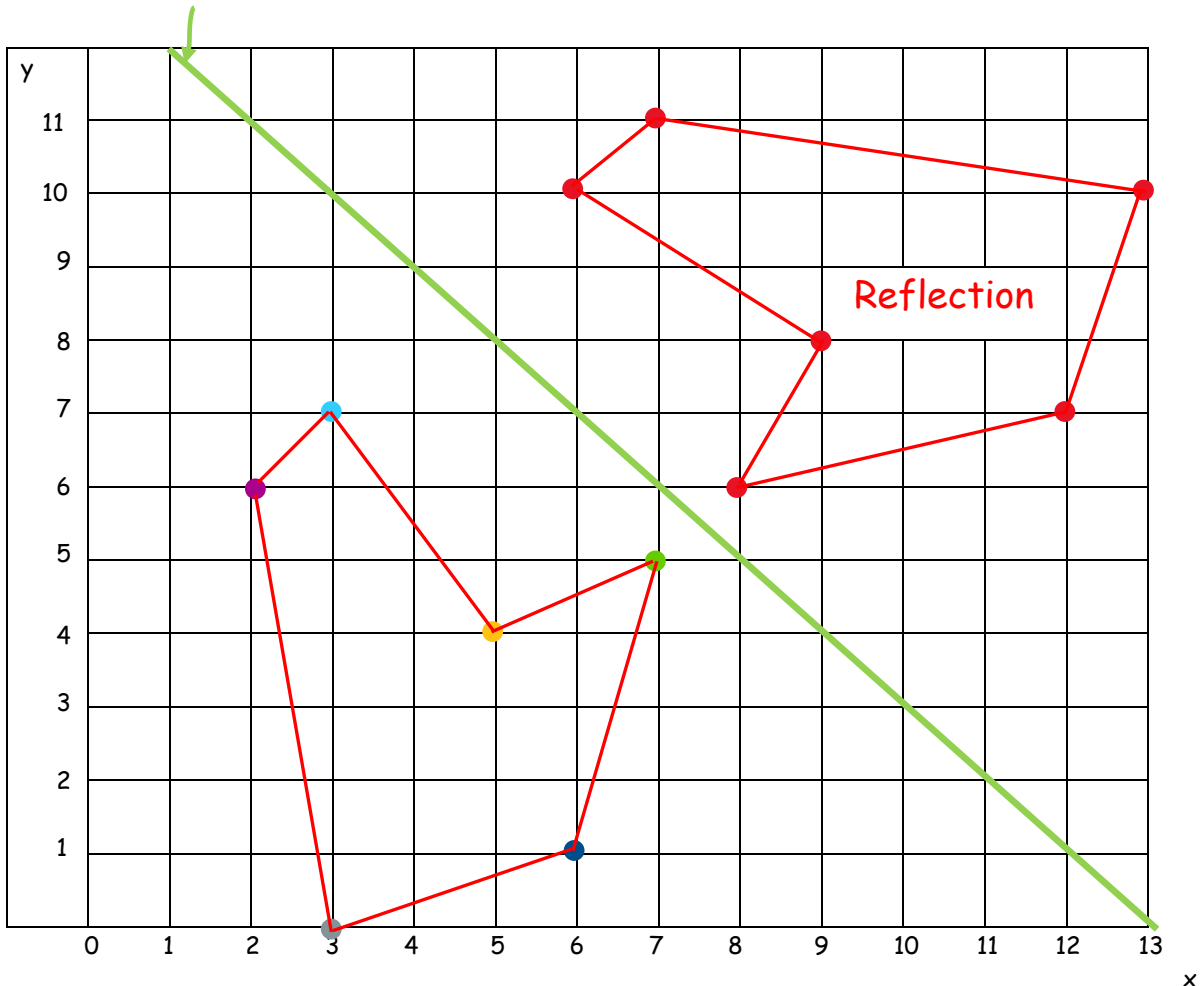
2. Reflect the above shape in the mirror line. Show on the graph and write the coordinates below:

$(9, 0)$   $(11, 1)$   $(12, 8)$   $(10, 11)$   $(7, 9)$



1. Use the following graph:

Mirror line



iii. Plot these coordinates and join them up to make a shape:

$(2, 6)$  ●  $(3, 7)$  ●  $(5, 4)$  ●  $(7, 5)$  ●  $(6, 1)$  ●  $(3, 0)$  ●

iv. Reflect the shape in the mirror line above and write down the coordinates of the reflected shape:

$(8, 6)$	$(12, 7)$	$(13, 10)$	$(7, 11)$	$(6, 10)$	$(9, 8)$
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2. Explain what happens when a shape is reflected:

The shape is the same but reversed - like a mirror image.