To Start

Can you work out what each symbol is worth in this maths square? Use the clues to help you.

♥	★	★	♥	=30
♥	✚	♥	✚	=32
✚	✚	✚	✚	=36
△	♥	★	△	=27

♥ =

✚ =

★ =

△ =

Moving On

Write the translation for each of these points in the correct format.
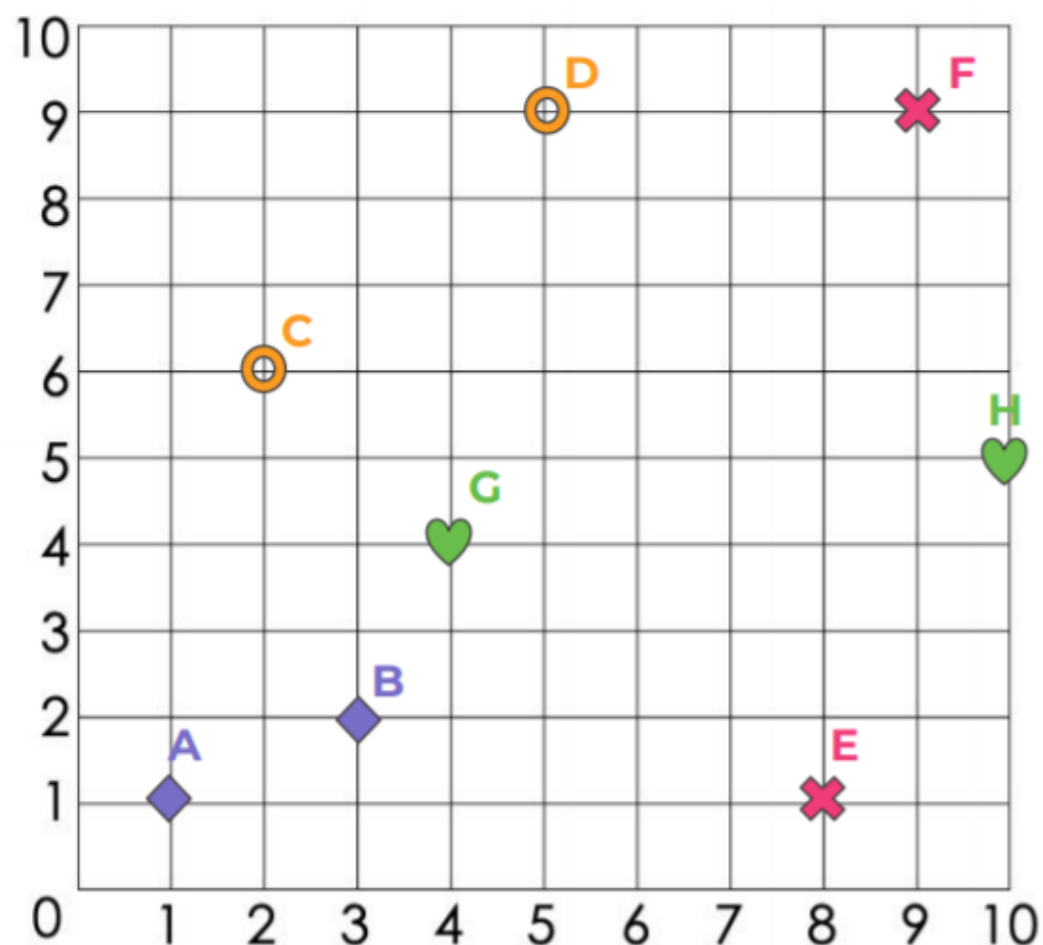
symbol	points	translation
◆	A to B	
○	C to D	
✖	E to F	
♥	G to H	

Main Task

If each of **X** points is translated (2 right , 3 up), what will all the new positions be?
If each of the **O** points are translated (4 right , 1 up) what will the new positions be?
Write the final coordinates for each.
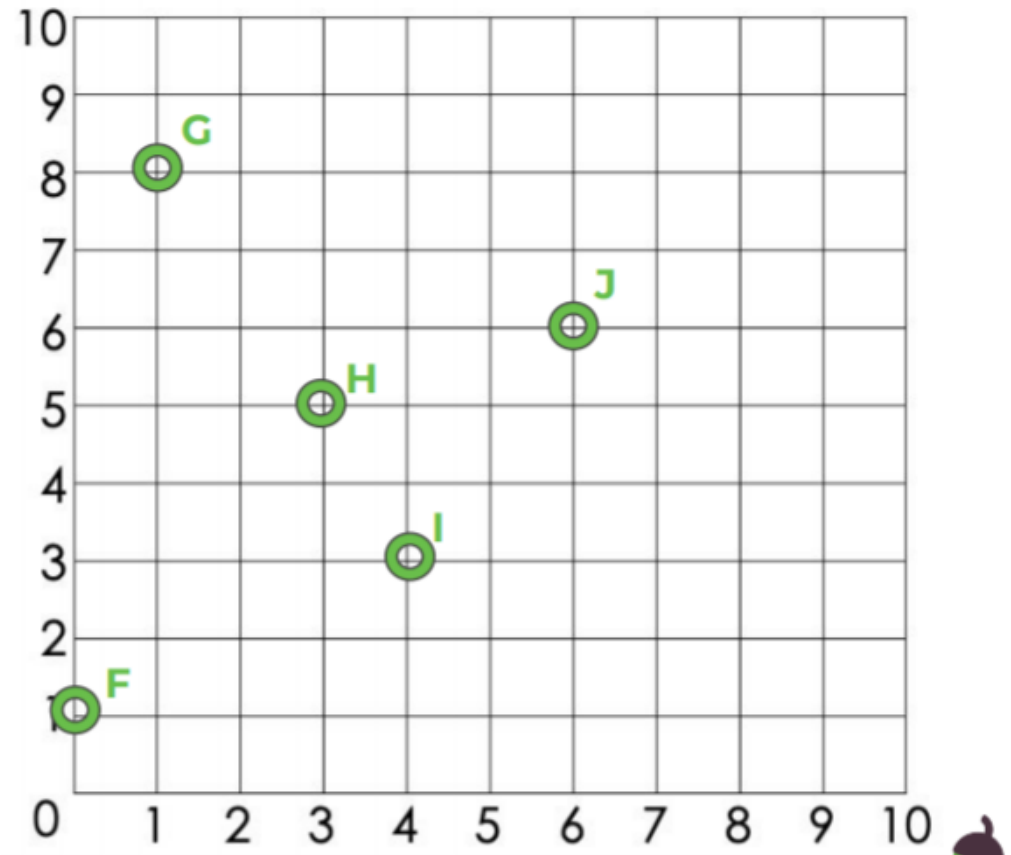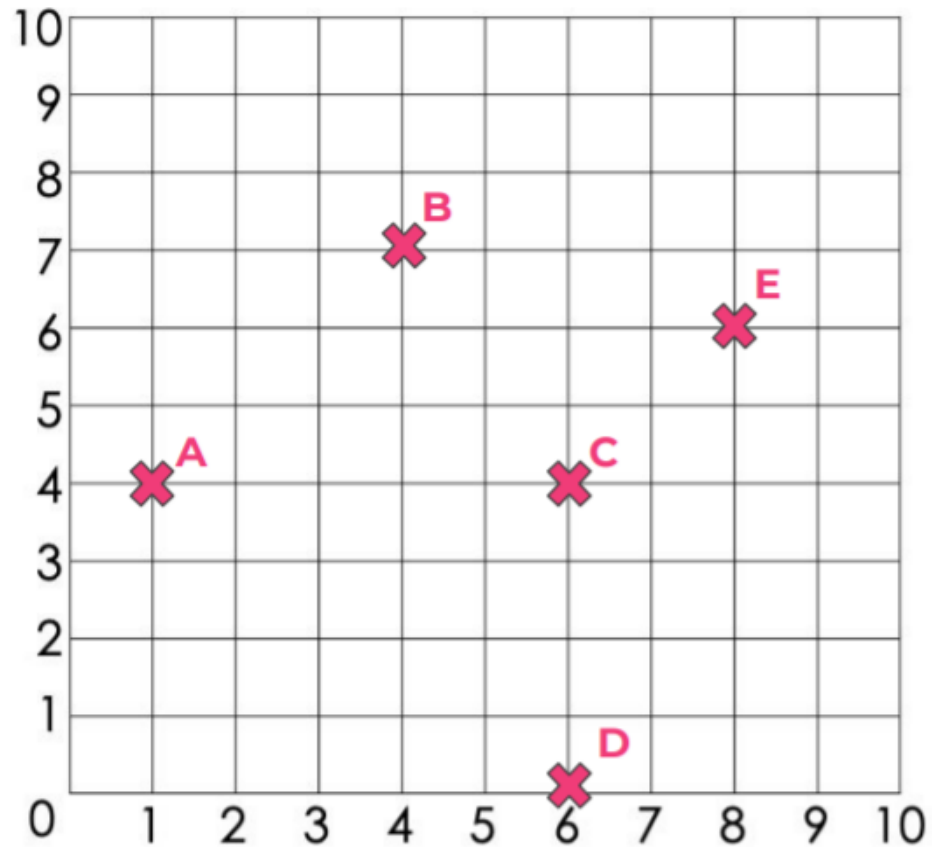
Main Task

If each of **X** points is translated (2 right , 3 up), what will all the new positions be?
If each of the **O** points are translated (4 right , 1 up) what will the new positions be?
Write the final coordinates for each.

Point	Final coordinate after translation
A	
B	
C	
D	
E	

Main Task

If each of **X** points is translated (2 right , 3 up), what will all the new positions be?
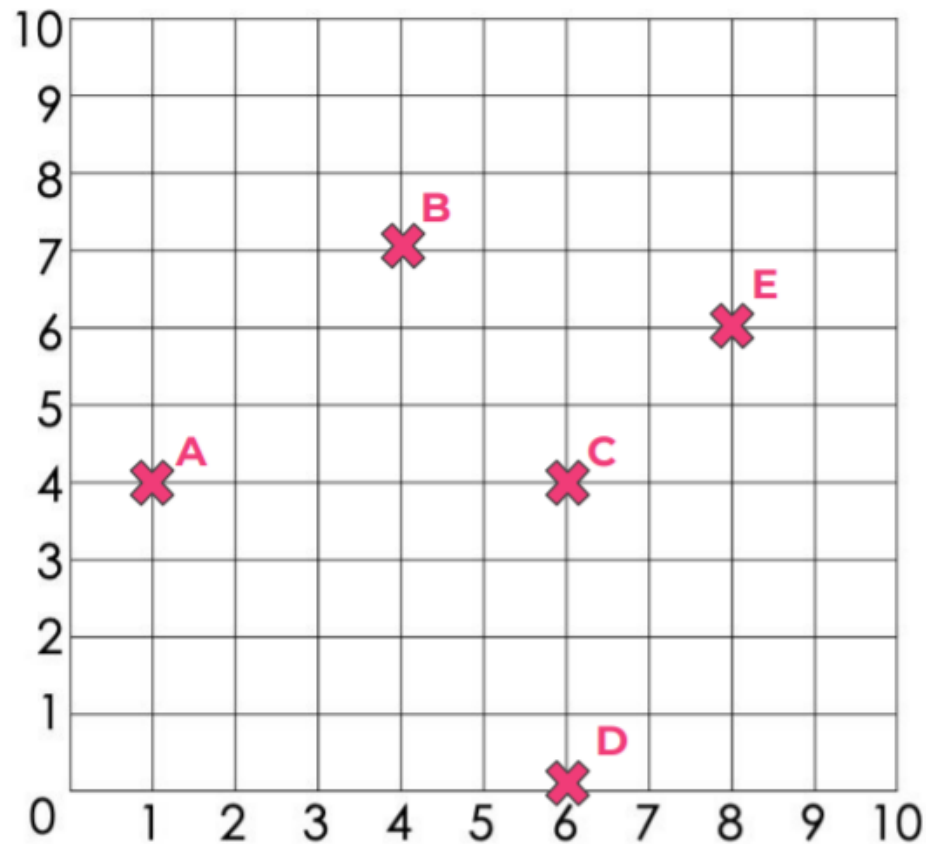If each of the **O** points are translated (4 right , 1 up) what will the new positions be?
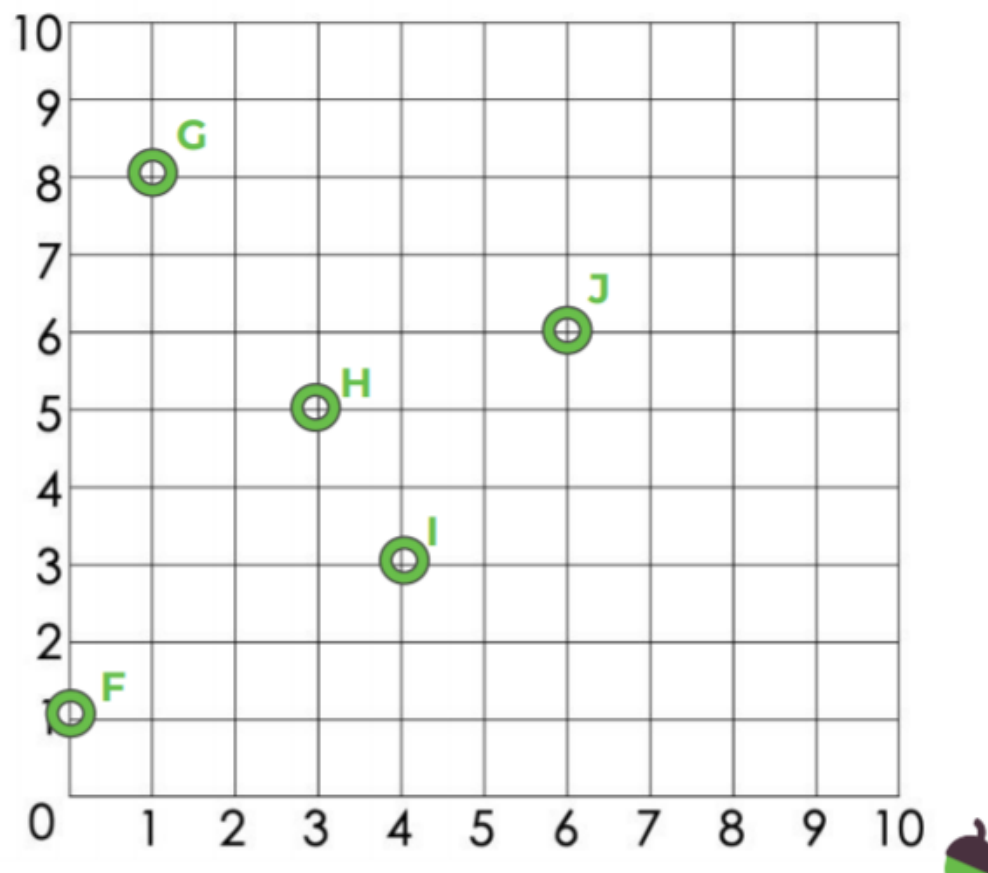Write the final coordinates for each.

Point	Final coordinate after translation
F	
G	
H	
I	
J	

Challenge

Can you work out the translation for the 3 points on the grid?

symbol	translation
(smiley face)	
(star)	
(diamond)	