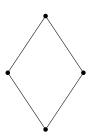
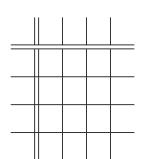
Consider the figure below. Find and give names to all its symmetries, and record their compositions in the table.





Complete the following table of addition of integers modulo 4.

+4	0	1	2	3
0				
1				
2				
3		0		

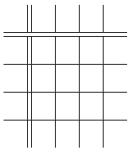
Consider the mathematical expression below.

$$a + b + c \times d$$

For every choice of a, b, c and d, it assumes a value. For example:

$$(-1,3,2,4) \mapsto -1+3+2\times 4=10,$$

$$(-1,4,2,3) \mapsto -1+4+2\times 3=9.$$



Find and give names to all rearrangements of the variables *a*, *b*, *c* and *d* that leave the value of the expression unchanged for *every* choice, and record their compositions in the table.

Note: By the above, swapping b and d is no such rearrangement.

Consider the image below. Find and give names to all its symmetries, and record their compositions in the table.

