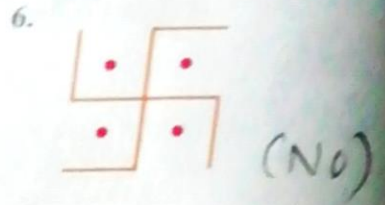
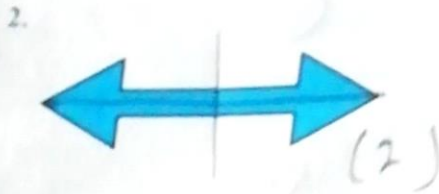
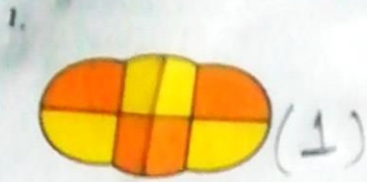
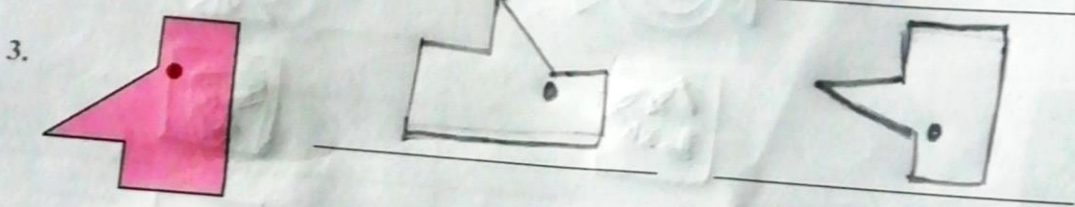
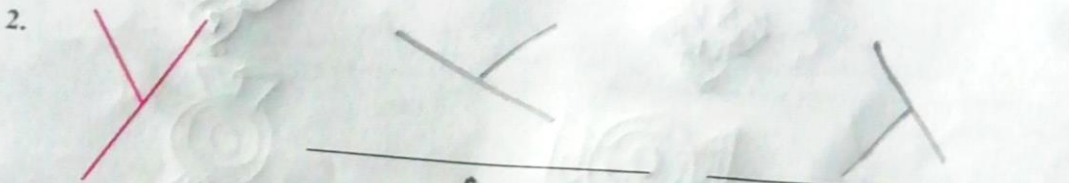
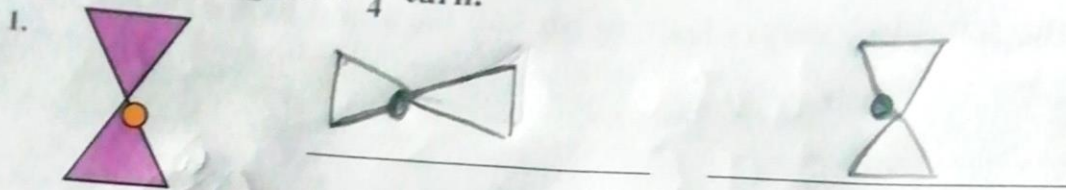


# EXERCISE 7.3

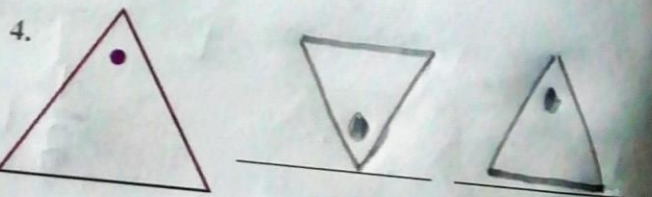
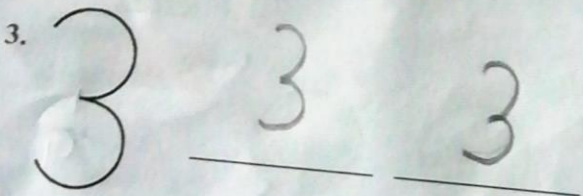
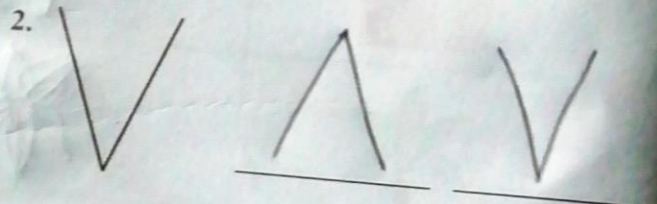
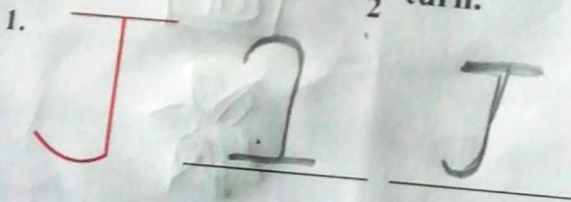
A. Find the number of lines of symmetry. Draw the lines.



B. Give each figure a  $\frac{1}{4}$  turn.



C. Give each figure a  $\frac{1}{2}$  turn.



Half a turn ( $\frac{1}{2}$  turn)

After half a turn, some shapes look the same but others do not.



I will not look the same after half a turn.

### EXERCISE 7.2

A. Give each shape a quarter turn to complete the pattern.

SHAPE	$\frac{1}{4}$ TURN	$\frac{1}{4}$ TURN	$\frac{1}{4}$ TURN
1.	→	→	→
2.	→	→	→
3.	→	→	→
4.	→	→	→
5.	→	→	→
6.	→	→	→
7.	→	→	→

B. Give each shape half a turn.



2.



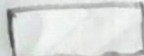
→



3.



→



4.



→



5.



→



6.






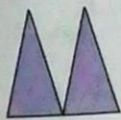
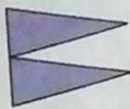


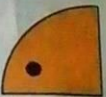

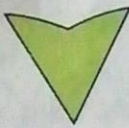
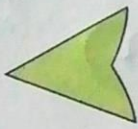

→



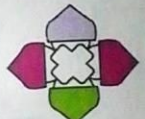

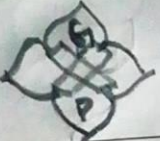







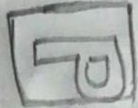
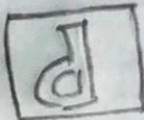



C. Give each number half a turn.

**1** →     **2** →     **3** →     **4** →   
**5** →     **6** →     **7** →     **8** → 





D. What will come next?

1.  →  →     2.  →  →   
 3.  →  →     4.  →  → 

E. How would the following shapes look on quarter turn and half a turn?

SHAPE	ON $\frac{1}{4}$ TURN	ON $\frac{1}{2}$ TURN
1. 		
2. 		
3. 		
4. 		
5. 		

F. How much has the shape been turned?

1.  →      $\frac{1}{2}$   
 2.  →      $\frac{1}{4}$