

Rule	(x, y)	$(2x, 2y)$	$(3x, y)$	$(3x, 3y)$	$(x, 3y)$
Square	Original	1st Variation	2nd Variation	3rd Variation	4th Variation
Point	Figure 1	Figure 1	Figure 1	Figure 1	Figure 1
A	$(2, 2)$				
B	$(2, 8)$				
C	$(8, 8)$				
D	$(8, 2)$				
Rule	(x, y)	$(2x, 2y)$	$(3x, y)$	$(3x, 3y)$	$(x, 3y)$
Triangle	Original	1st Variation	2nd Variation	3rd Variation	4th Variation
Point	Figure 2	Figure 2	Figure 2	Figure 2	Figure 2
E	$(2, 2)$				
F	$(6, 10)$				
G	$(10, 2)$				
Rule	(x, y)	$(2x, 2y)$	$(3x, y)$	$(3x, 3y)$	$(x, 3y)$
Trapezoid	Original	1st Variation	2nd Variation	3rd Variation	4th Variation
Point	Figure 3	Figure 3	Figure 3	Figure 3	Figure 3
H	$(2, 2)$				
I	$(4, 8)$				
J	$(8, 8)$				
K	$(10, 2)$				
Rule	(x, y)	$(2x, 2y)$	$(3x, y)$	$(3x, 3y)$	$(x, 3y)$
Parallelogram	Original	1st Variation	2nd Variation	3rd Variation	4th Variation
Point	Figure 4	Figure 4	Figure 4	Figure 4	Figure 4
L	$(2, 2)$				
M	$(4, 6)$				
N	$(12, 6)$				
O	$(10, 2)$				