



- 1)
 - a) circle to triangle = left 3, down 2
 - b) semicircle to hexagon = right 1, up 2
 - c) square to pentagon = left 5, up 3
 - d) hexagon to square = right 1, down 4
 - e) octagon to hexagon = right 3, up 6
- 2) Multiple answers are possible.



- 1) a) Disagree because the movement is right 6, up 2.



2D shape to 2D shape		Translation Movement	2D shape to 2D shape		Translation Movement
1	semicircle to circle	left 1, down 6	22	circle to semicircle	right 1, up 6
2	semicircle to triangle	left 2, down 1	23	triangle to semicircle	right 2, up 1
3	semicircle to pentagon	left 3, down 4	24	pentagon to semicircle	right 3, up 4
4	semicircle to hexagon	left 4, down 2	25	hexagon to semicircle	right 4, up 2
5	semicircle to square	left 5, down 5	26	square to semicircle	right 5, up 5
6	semicircle to octagon	left 6, down 3	27	octagon to semicircle	right 6, up 3
7	circle to triangle	left 1, up 5	28	triangle to circle	right 1, down 5
8	circle to pentagon	left 2, up 2	29	pentagon to circle	right 2, down 2
9	circle to hexagon	left 3, up 6	30	hexagon to circle	right 3, down 6
10	circle to square	left 4, up 1	31	square to circle	right 4, down 1
11	circle to octagon	left 5, up 3	32	octagon to circle	right 5, down 3
12	triangle to pentagon	left 1, down 3	33	pentagon to triangle	right 1, up 3
13	triangle to hexagon	left 2, down 1	34	hexagon to triangle	right 2, up 1
14	triangle to square	left 3, down 4	35	square to triangle	right 3, up 4
15	triangle to octagon	left 4, down 2	36	octagon to triangle	right 4, up 2
16	pentagon to hexagon	left 1, up 2	37	hexagon to triangle	right 1, down 2
17	pentagon to square	left 2, down 1	38	square to triangle	right 2, up 1
18	pentagon to octagon	left 3, up 1	39	octagon to triangle	right 3, down 1
19	hexagon to square	left 1, down 3	40	square to triangle	right 1, up 3
20	hexagon to octagon	left 2, down 1	41	octagon to triangle	right 2, up 1
21	square to octagon	left 1, up 2	42	octagon to triangle	right 1, down 2