Taylor Earl

4.2 3, 5, 6, 9, 13, 23, 24, 25, 26, 27, 28, 29

3. c, d,

5. domain {daisy, violet, rose, daffodil}
range {red, pink, purple, white}

1	0	0	0	0
0	0	1	0	0
0	0	0	0	1
0	1	0	0	0
0	0	0	0	0

6.

	1	4	6	8	9
1	1	0	0	0	0
2	0	1	0	0	0
3	0	0	0	0	1
4	0	0	0	0	0

Domain {1, 2, 3}
Range {1, 4, 9}

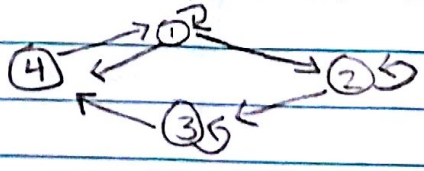
9.

	1	2	3	4	6
1	1	1	1	1	1
2	0	1	0	1	1
3	0	0	1	0	1
4	0	0	0	1	0
6	0	0	0	0	1

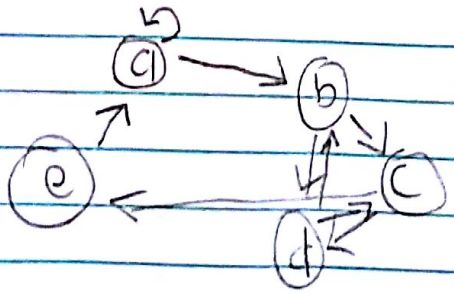
Domain {1, 2, 3, 4, 6}
Range {1, 2, 3, 4, 6}

13. c, d

23. (1,1), (1,2), (1,4), (2,2), (2,3), (3,3), (3,4), (4,1)



24. {(a,a), (a,b), (b,c), (b,d), (c,d), (c,e) (d,b), (d,c), (e,a)



4.2 25, 26, 27, 28, 29,

25. (1,2) (2,2) (2,3) (3,4) (4,4) (5,4) (5,1)

	1	2	3	4	5
1	0	1	0	0	0
2	0	1	1	0	0
3	0	0	0	1	0
4	0	0	0	1	0
5	1	0	0	1	0

26. (1,2) (1,3) (1,4) (2,2) (2,3) (4,4) (4,1) (4,5)

	1	2	3	4	5
1	0	1	1	1	0
2	0	1	1	0	0
3	0	0	0	0	0
4	1	0	0	1	1
5	0	0	0	0	0

27.

Vertex	1	2	3	4	5
in degree	1	2	1	3	0
out degree	1	2	1	1	2

28

Vertex	1	2	3	4	5
in degree	1	2	2	2	1
out degree	3	2	0	3	0

29 the in degree is the range and the out is the domain.