Theodore Podewil

1. {1,3,8,f,4,c}
2. {4,y}
3. ∅
4. {4}
5. {{a,{b,c}},{∅},4}
6. {4,7,8,a,b,c,f,y}
7. {7,8,a,b,c,f}
8. {1,3,4,y,8,f,c}

11. ∅
12. ∅
13. {∅}
14. {{∅}, {{a,b,c}},{7},{∅,{a,b,c}},{∅,7},{{a,b,c},7},∅,{∅,{a,b,c},7}}
15. {∅,{∅}}



20. ∅

2. 1. Yes

2. no

3. yes

4. no

5. yes

6. yes

7. yes

8. yes

9. no

10. yes

11. no

3. Pairs of disjoint sets:

AB, AD, AE, BD, CD, DE