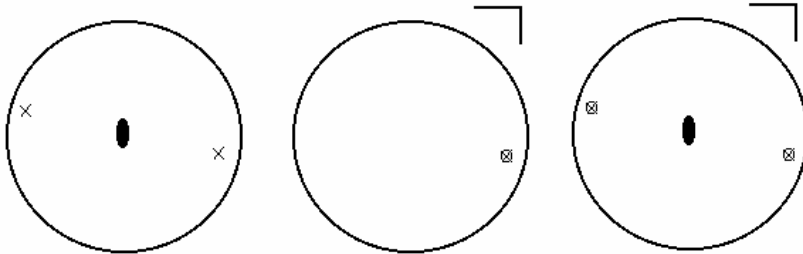


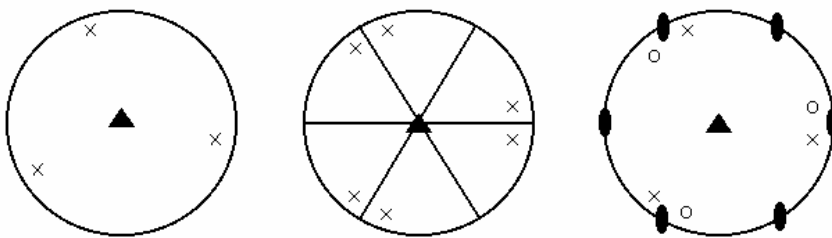
**GEOL3010      ProbSet 2 Point Groups      Page 1**

Give the point group Hermann-Mauguin symbol and crystal system and multiplicity for each:



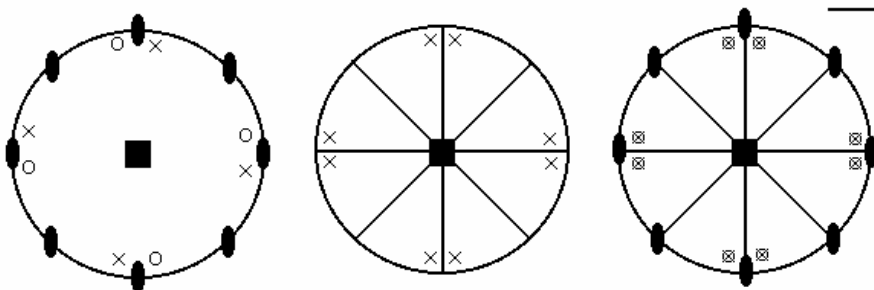
1. 2                      2. m                      3. 2/m

monoclinic (2)                      monoclinic (2)                      monoclinic (4)



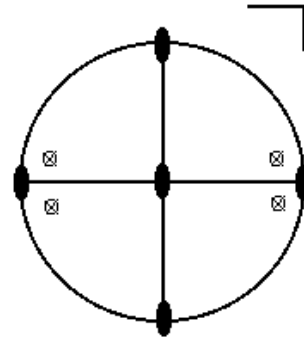
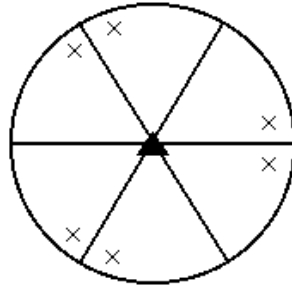
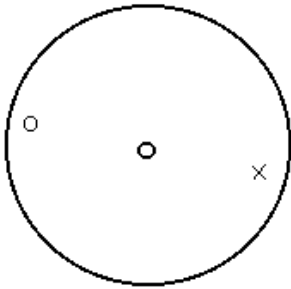
4. 3                      5. 3m                      6. 32

Trigonal (3)                      Trigonal (6)                      Trigonal (6)

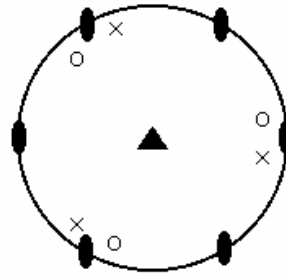
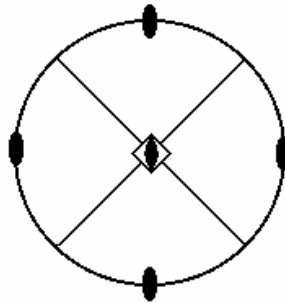
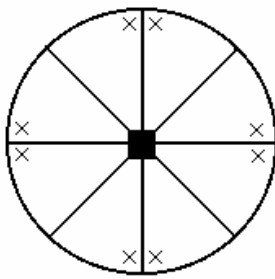


7. 422                      8. 4mm                      9. 4/m2/m2/m

Tetragonal(8)                      Tetragonal(8)                      Tetragonal(16)



10. -1 11. 3m 12. 2/m2/m2/m  
Triclinic(2) Trigonal(6) Orthorhombic(8)



13. 4mm 14. -42m 15. 32  
Tetragonal(8) Tetragonal(8) Trigonal(6)