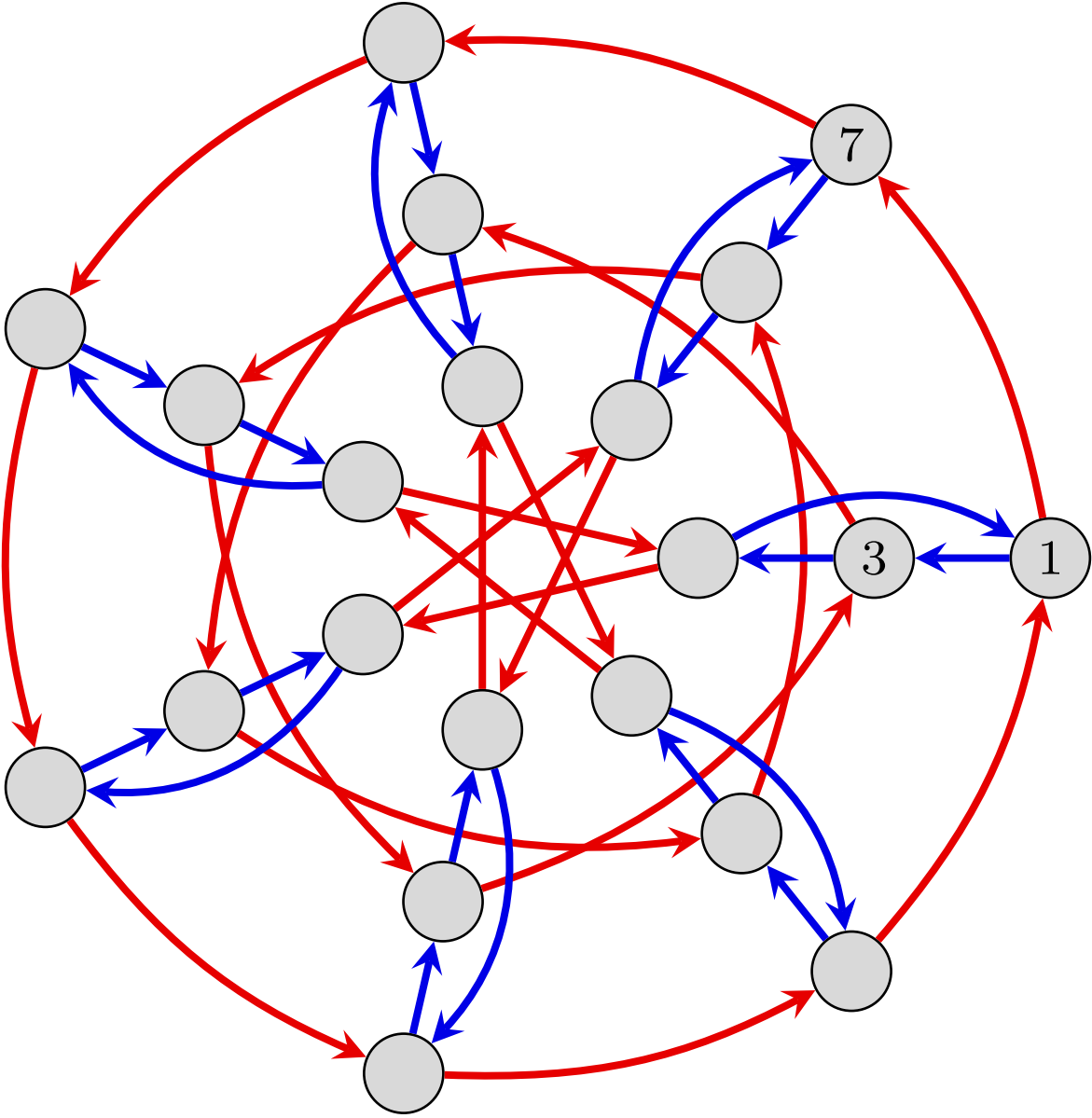
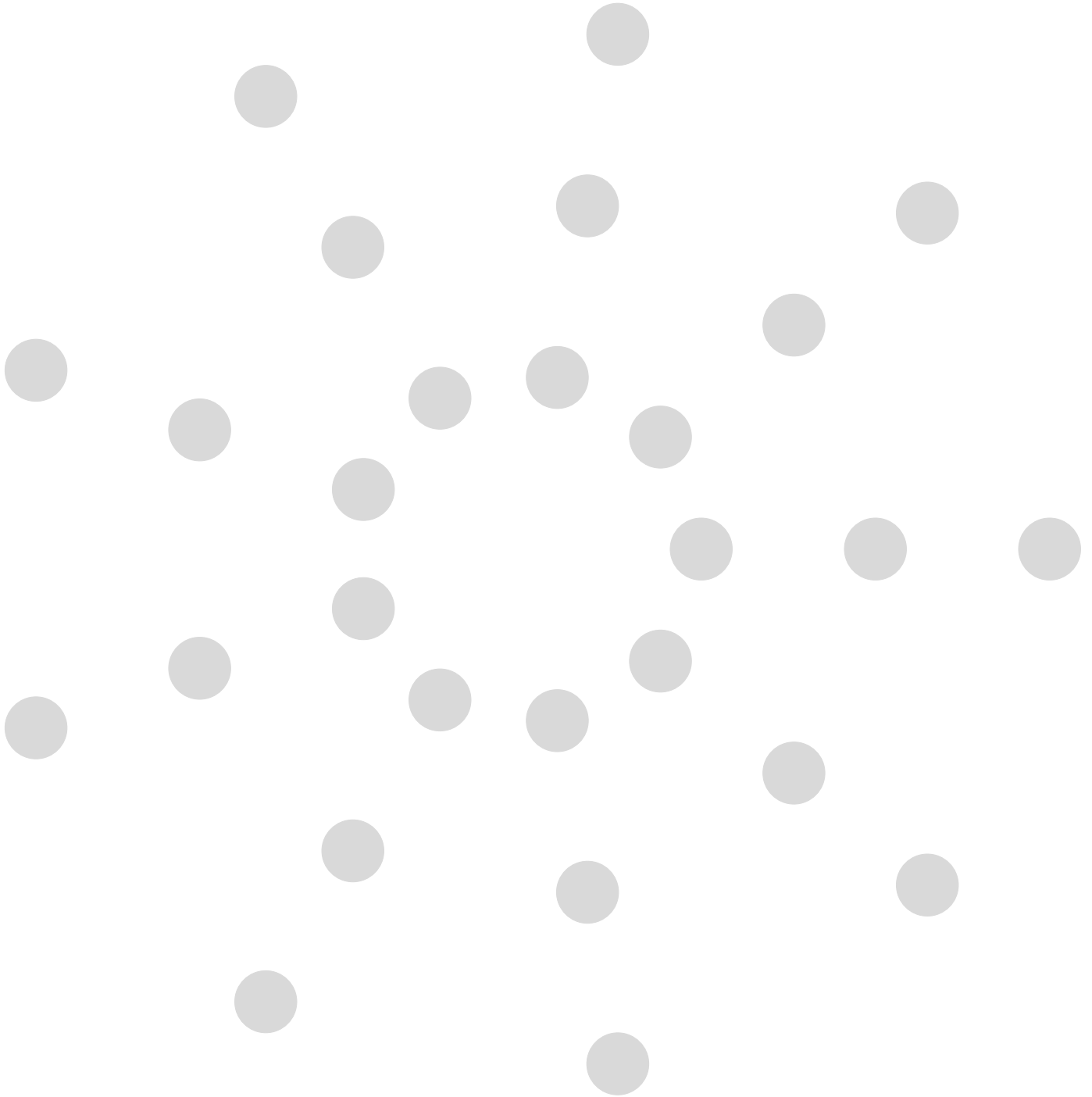
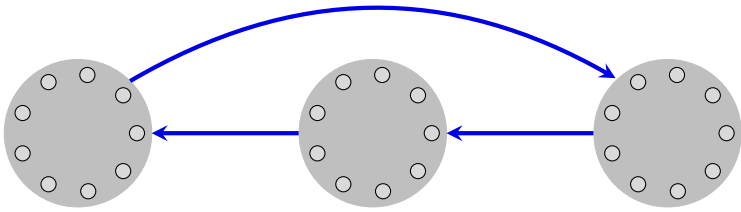


Supplemental material for Visual Algebra (Math 4120),
HW 5

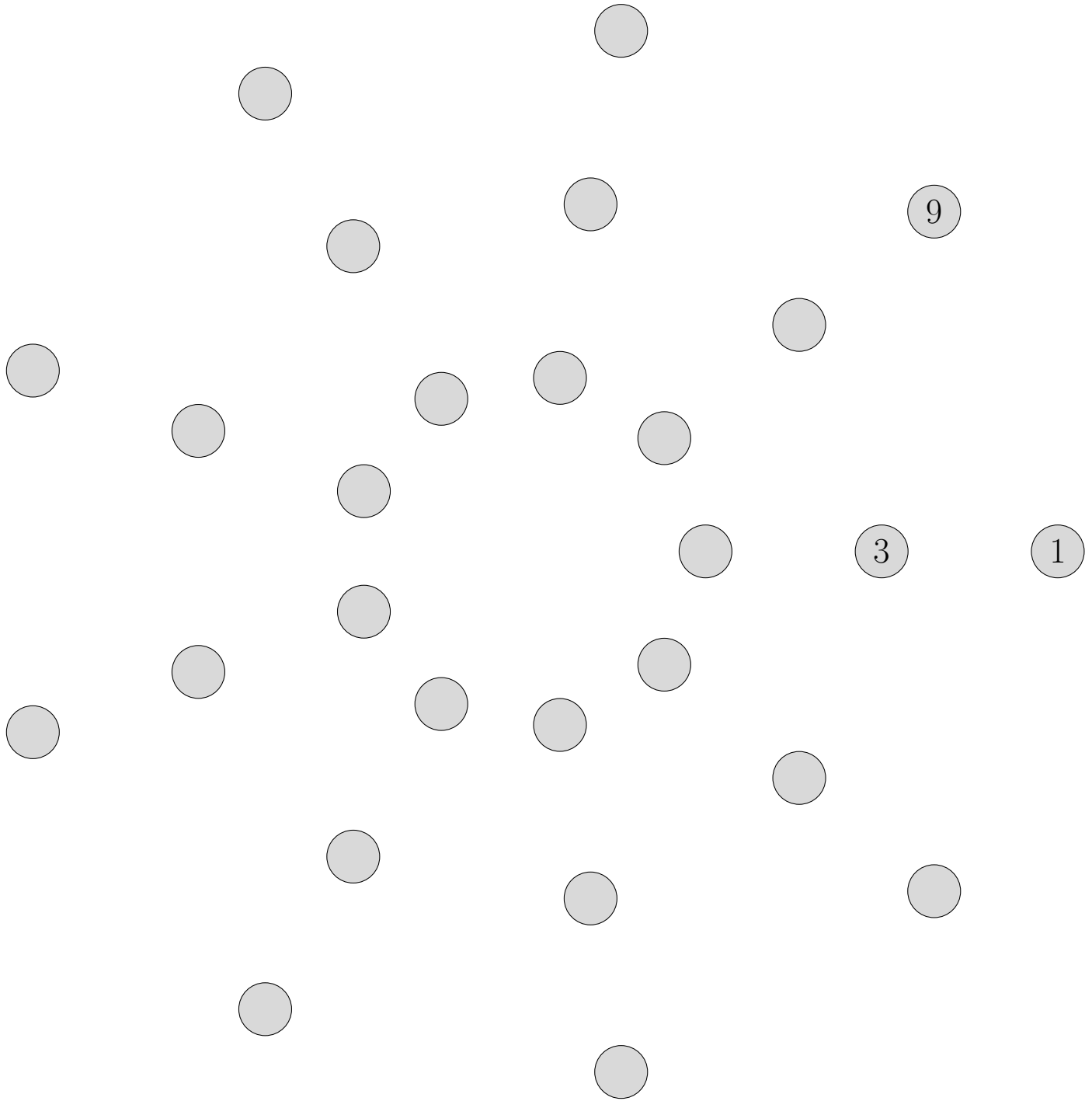
#2(a): Cayley graph of the semidirect product $C_7 \rtimes C_3$, with the nodes labeled by the order of the elements.



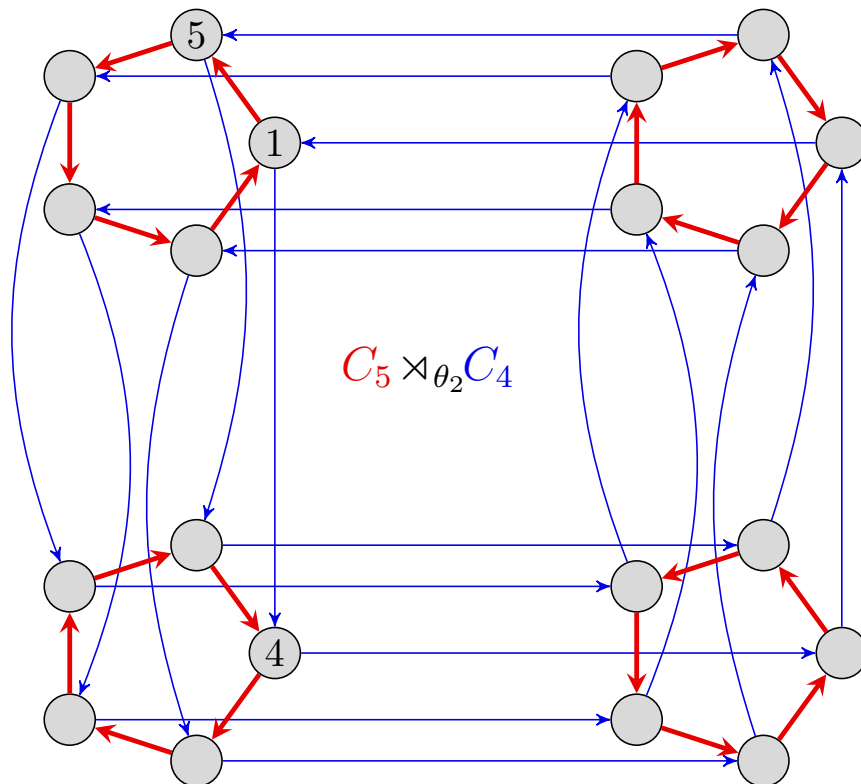
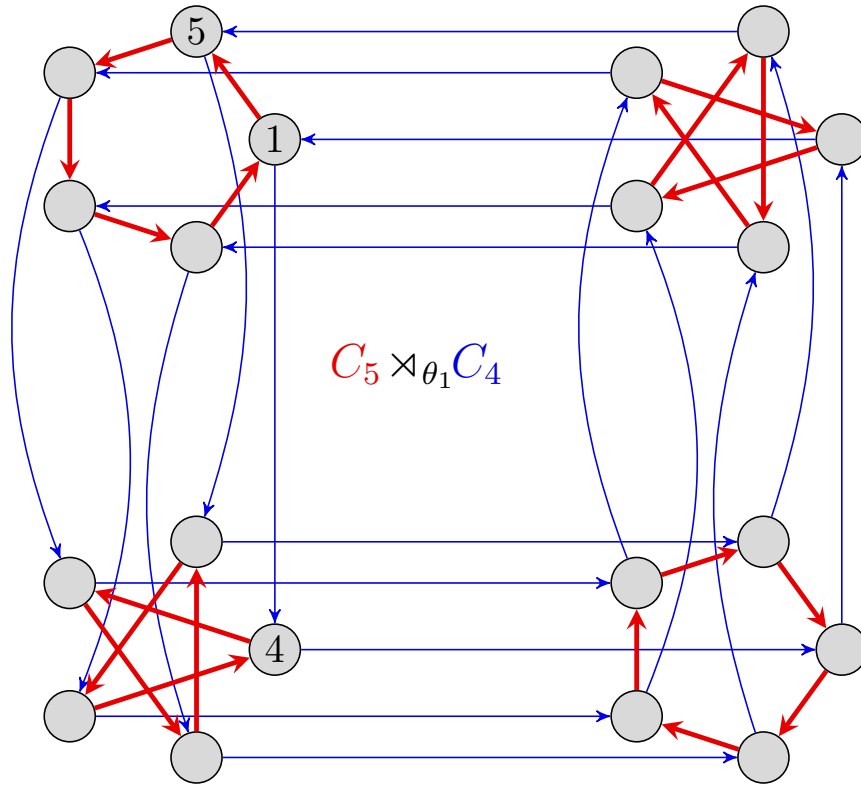
#3(b): Cayley graph of $C_9 \times C_3 = \langle a, b \rangle = \{a^i b^j \mid 0 \leq i \leq 8, 0 \leq j \leq 2\}$.



#3(c): The Cayley graph of the semidirect product $C_9 \rtimes C_3$ with the nodes labeled by the order of the corresponding elements.



#4(a): Cayley graphs of two nonisomorphic semidirect products, with the nodes labeled by the order of the corresponding elements.



#4(b): Subgroup lattices of two semidirect products of C_5 with C_4 .

