1.) Problem 34.3 from Srednicki.
2.) Problem 34.4 from Srednicki.
3.) Problem 35.1 from Srednicki.
4.) Problem 35.2 from Srednicki.
5.) Problem 36.3 part (a) from Srednicki.
6.) Problem 36.5 from Srednicki. You must explain (at least briefly) your reason, not just state the invariance group.