Assignment's answer for Probability and statistics distribution

1. 250C2=(250!)/2(250-2)!
2. (5!)/3!2!=10
3. 23
4. 30P3=(30!)/(30-3)!
5. 6P3=6!/3!
6. 0
7. 6C3-(4C2)(2C2)
8. 25C14=(25!)/14!(25-24)!
9. 22C4.2C2.2C2.2C2.2C2.2C2