- Q.1. Use deductive reasoning to prove that the sum of an even integer and odd integer is always an odd integer.
- Q.2. Use deductive reasoning to prove that the sum of two odd integer is always an even integer.
- Q.3. Use deductive reasoning (and distributive property) to prove $(a + b)^2 = a^2 + b^2 + 2ab$.
- Q.4. Use deductive reasoning to prove to prove that the sum of any nine consecutive integers is 9 times the median.