

1. Verify that Fermat's Little Theorem is true for the primes 13 and 67
2. Use Fermat's Little Theorem to show that the following numbers are composite:

$$1517, \quad 28\,261, \quad 3^{19} - 2$$

3. Using Fermat's Little Theorem, what can you say about the primality of the following?

$$2^{136} - 1, \quad 232\,250\,619\,601, \quad 2^{13\,036} - 3, \quad 561$$