

1. Let $n = 15$
 - (a) Show that 2 is a witness for the compositeness of n
 - (b) Show that 4 is not a witness for the compositeness of n
2. Find a witness for the compositeness of 2047
3. Find a witness for the compositeness of 13
4. Let $n = 2^{(2^{14})} + 1$
 - (a) Is 2 a witness for the compositeness of n ?
 - (b) Is 3 a witness for the compositeness of n ?
5.
 - (a) Verify that 561 is composite
 - (b) Find a witness for the compositeness of 561