

Solutions to Attendance Quiz # 5 for Dr. Z.'s Number Theory Course for Sept. 19, 2013

1. Decide whether 91 is prime or composite, using the OK way.

Solution to 1: The primes less than $\sqrt{91}$ are 2, 3, 5, 7, let's test whether 91 is divisible by one of them.

$91/2$ is not an integer $91/3$ is not an integer $91/5$ is not an integer, but $91/7 = 13$ is an integer. So $91 = 7 \cdot 13$ and 91 is **not** a prime.