

## Prime Factorization Worksheet

1. Give the prime factorization of the following numbers:

A)  $172 =$

B)  $262 =$

C)  $111 =$

D)  $295 =$

E)  $307 =$

2. If  $p$  is a prime number, list all the factors of  $p^2$ .

3. If  $p$  is a prime number, give the prime factorization of  $p^3$ .