Name: _____

Prime Factorization, HCF, LCM Review

1. Express the following numbers as a product of their prime factors. Write your factors in ascending order.

   a) 36 = ___ x ___ x ___ x___

   b) 48 = ___ x___ x ___ x ___ x ___

   c) 90 = ___ x ___ x ___ x ___

   d) 200 = ___ x ___ x ___ x ___ x ___

2. Find the HCF of the following numbers. Use your prime factors to help you.

   a) 42 and 60

   HCF = _____

   b) 120 and 144

   HCF = _____

3. Write the LCM of the following numbers. Use your prime factors to help you.

   a) 6 and 8

   LCM = _____

   b) 12 and 30

   LCM = _____