

### **Math5900 Homework #6**

Make sure your work is neatly presented. Show all your work, with thorough explanations.

Find the  $\text{GCF}(a,b)$  and  $\text{LCM}(a,b)$  using the indicated methods.

1. Use the Venn diagram method.

(a) 336, 220

(b) 539, 880

2. Use the Euclidean algorithm for GCF and Layer Cake method for LCM.

(a) 243, 630

(b) 210, 231

3. Use the List/Tree method.  
(a) 270, 168

(b) 310, 216

4. Find the GCF using any method you like. Then, use the formula  
 $\text{LCM}(a,b) \times \text{GCF}(a,b) = ab$  to find the LCM.  
(a) 440, 1625

(b) 920, 924