2. Long Division  
a. 

b. 

***SAT WARM-UP*:** Which polynomial has degree 3?

a.    
b.    
c.    
d.    
e. 

**Vocabulary**

synthetic division

1. Dividing a Polynomial by a Monomial – Split up and Simplify

a. 

b. 

3. Long Division with a Remainder: 

This new function is called (f+g)(x)

5. Synthetic Division with Divisior having coefficient other than 1  


4. Synthetic Division: a. 

b. 

6. In Class Practice # 1-11

7. Honor Group Work: If a polynomial is divided by a binomial and the remainder is 0, what does that tell you about the relationship between the binomial and the polynomial?

Practice at Home: 5.2 # 13,17;22&24-Long Division, 23&26&31 - Synthetic Division