**Algebra 7.2 Pacing Guide**

**Monday**

* Obtain 7.2 Packet
* Find “Polynomial Long Division” at the bottom half of the back of the first page.
* Go to <http://algebra2.flippedmath.com/72-polynomial-division.html> and watch the portion of the video from 6:45 to 16:45 while writing down the three examples.
* Complete the Long Division portion of #5-8 on the Practice part of the packet (2nd page).

**Tuesday**

* On front page of packet find “Synthetic Division”
* Watch video from above from 16:45 to 24:33 while taking notes.
* Complete the Long Division portion of #5-8 on the Practice part of the packet (2nd page).

**Wednesday**

* Go to the Practice part of the packet. In #1-4, plug in the given values to determine if any of them are zeros (x-intercepts). Remember, write parentheses each time you see an “x” in the formula. Then plug in the given number in each parentheses. Type the expression in your calculator. If you get “0”, then the value you plugged in is a zero (x-intercept) of the polynomial. If you don’t get zero, then that value is not a zero (x-intercept).
* Review factoring with Mr. Bell or watch these videos:

<http://www.virtualnerd.com/tutorials/?id=Alg1_7_1_18>

<https://www.youtube.com/watch?v=AYkaCZUT4O4>

* Do #9-12 from the Practice page. Use synthetic division. Your answer should be a quadratic (x2). Factor it. Set each factor equal to 0 and solve. Those are your other two zeros (x-intercepts)

**Thursday**

* Attempt Mastery Check OR, if not ready…
* Obtain 7.1 Corrective Assignment #2. Attempt problem #1, 5, 11, 12. Use long division for #11
* Attempt Mastery Check.

**Friday**

* Practice and Mastery Check.