

Prealgebra 2017-18 – W8 HW Due Oct 16, 2017

“There is geometry in the humming of the strings; there is music in the spacing of the spheres.” Pythagoras

MON	TUES	WED	THURS	FRI
<p style="text-align: center;">AoPS Video link: http://www.artofproblemsolving.com/videos/prealgebra</p>				
<p><i>Class Day</i></p> <p><i>HW Questions / Turn in HW for HW Check</i></p> <p><i>Fractions check – BA Multiplying Fractions</i></p> <p><i>Rope stretching activity for right angles</i></p> <p><i>Pythagorean Theorem</i></p> <p><i>2.1 Squares – BA “next squares up”</i></p> <p><i>Pythagorean Triples</i></p> <p><i>AoPS 2.1 problems</i></p> <p><i>2.2 Higher Powers</i></p> <p><i>Evaluating Expressions – BA Handout</i></p>	<p style="text-align: center;">2.1 Squares</p> <p><i>We worked the “teaching” problems in class.</i></p> <p><i>Watch the 3 AoPS 2.1 Videos: Product of Powers, Quotient of Powers, Square of a Sum</i></p> <p>p. 62 Exercises</p> <p style="text-align: center;">#2.1.1 – 2.1.2</p> <p style="text-align: center;">Beast Academy (BA) Multiplying Fractions</p> <p><i>Complete the problems we did not get done in class Monday.</i></p> <p><i>Check to the solutions on the class webspace.</i></p>	<p style="text-align: center;">2.1 Squares</p> <p>p. 62 Exercises</p> <p style="text-align: center;">#2.1.3 – 2.1.5, 2.1.8, 2.1.9 <i>(you may use your squares handout we completed in class for these).</i></p> <p style="text-align: center;">Pythagorean Triples or Imposters?</p> <p><i>Print the handout from the class website and (using a calculator) identify which are genuine Pythagorean Triples, and which are not.</i></p> <p><i>This link shows a 3,700 year old Babylonian tablet with lists of these triples used in trigonometry. These were known WAY before Pythagoras, but Pythagoras gets credit for making the formula known to the world.</i></p>	<p style="text-align: center;">2.2 Higher Exponents</p> <p><i>Watch the 2 AoPS 2.2 Videos: “Same Base” Exponent Rules, An Exponent Rule Problem</i></p> <p>p. 64 teaching (grey) problems</p> <p style="text-align: center;">#2.10 – 2.19</p> <p><i>Check to the solutions on the class webspace.</i></p>	<p style="text-align: center;">BA Evaluating Expressions</p> <p><i>Complete the problems we did not get done in class Monday.</i></p> <p><i>These are tricky. Take your time, write out steps, look for “legal” opportunities to cancel factors or simplify before multiplying out.</i></p> <p><i>Check to the solutions on the class webspace.</i></p>
<p style="text-align: center;">Always check your work to the solutions posted on the class website. Star or mark problems you want to go over in class.</p>				