

Name: Reeck		Grading Quarter: 3	Week Beginning: January 13th
School Year: 2024-2025		Subject: Algebra 2	
Monday	Notes:	<p><b>Objective:</b> Students will be introduced to strategies for dividing polynomials by reviewing fraction principles.</p> <p><b>Bellwork:</b> Describe the difference in the two expressions using written words:</p> $\frac{9x-6}{3} \quad \text{And} \quad \frac{9x \cdot 6}{3}$ <p><b>Assignment:</b> Handout from last week 35-44</p>	Academic Standards:
Tuesday	Notes:	<p><b>Objective:</b> Students will begin to understand the ability to factor and cancel when they see a division problem with rational expressions.</p> <p><b>Bellwork:</b> Factor the following:</p> $x^2 + 4x - 12$ $3x^2 - 3x$ <p><b>Assignment:</b> Handout rational polynomials</p>	Academic Standards: N.CN.7, N.CN.8, F.IF.8A
Wednesday	Notes:	<p><b>Objective:</b> Students will do sample ACT questions to work on problem solving strategies.</p> <p><b>Bellwork:</b> Plug in numbers for the graph. <math>f(x) = 4x - 1</math></p> <p><b>Assignment:</b> ACT problems</p>	Academic Standards: N.CN.7, N.CN.8, F.IF.8A

Thursday	Notes:	<p><b>Objective:</b> Students will try long division for polynomials.</p> <p><b>Bellwork:</b> divide 36729 by 5 using long division... yes, the long division you learned in elementary school! Then, write a step-by-step process for how you did it.</p> <p><b>Assignment:</b> Long dividing polynomials</p>	<p>Academic Standards: N.CN.7, N.CN.8, F.IF.8A</p>
Friday	Notes:	<p><b>Objective:</b> Students will review different ideas behind dividing polynomials: cancelling, factor and cancel, long divide.</p> <p><b>Bellwork:</b> Start on the handout.</p> <p><b>Assignment:</b> Work on knowing when to use each strategy of division.</p>	<p>Academic Standards:  N.CN.7, N.CN.8, F.IF.8A</p>