

Name: Langteau		Grading Quarter: 2	Week Beginning: Week 12
School Year: 2024/20205		Subject: Algebra 1	
Monday	Notes:	<p>Objective: Students will understand the concept of intercepts on a graph and identify the x- and y-intercepts of a given linear equation.</p> <p>Lesson Overview:</p> <p>This lesson introduces intercepts, explaining how to find where the graph crosses the x- and y-axes. Students will practice plotting graphs and identifying intercepts from visual data</p>	<p>Academic Standards:</p> <p>A.REI.10 F.IF.4</p>
Tuesday	Notes:	<p>Objective: Students will learn how to calculate the x- and y-intercepts from a linear equation by setting either x or y to zero.</p> <p>Lesson Overview:</p> <p>The focus shifts to solving equations algebraically to find intercepts. Students will work through several practice problems, gaining proficiency with setting either variable to zero and solving for the intercept.</p>	<p>Academic Standards:</p> <p>A.REI.10 F.IF.4</p>
Wednesday	Notes:	<p>Objective: Students will understand the standard form of a linear equation (<math>Ax + By = C</math>) and how to use it to find intercept</p> <p>Lesson Overview:</p> <p>Students will practice converting linear equations into standard form and learn how to use it efficiently to determine intercepts, comparing the ease of finding intercepts in standard form versus slope-intercept form.</p>	<p>Academic Standards:</p> <p>A.REI.10 F.IF.4</p>
Thursday	Notes:	<p>Objective: Students will graph linear equations in standard form using their x- and y-intercepts.</p> <p>Lesson Overview:</p> <p>This lesson focuses on applying the skills learned. Students will graph lines using their x- and y-intercepts, practicing the step-by-step process of plotting intercepts and drawing the graph.</p>	<p>Academic Standards:</p> <p>A.REI.10 F.IF.4</p>
Friday	Notes:	<p>Objective: Students will review key concepts about intercepts and standard form and apply their knowledge to real-world problems.</p> <p>Lesson Overview:</p> <p>The week culminates in a comprehensive review of all the skills learned. Students will complete a mix of practice problems and real-world applications, using graphs and intercepts to model situations and interpret data.</p>	<p>Academic Standards:</p> <p>A.REI.10 F.IF.4</p>