IXL

UNIT 3 - WRITING & GRAPHING LINEAR EQUATIONS

In the table below are the IXL topics aligned with what you are learning in class. The highlighted topics are required to complete and are assigned in IXL. The non-highlighted topics are recommended as extra practice when you need it. The minimum smart score to achieve is 80.

Lesson in Notes	IXL Topic
Prerequisite skills	• Graph points on a coordinate plane (VHQ) • Is (x, y) a solution to the linear equation? (5BD) • Relate the graph of an equation to its solutions (TL8)
3.1 - Graphing Linear Equations using a Table	• Complete a table and graph a linear function (DC2) • Graph a horizontal or vertical line (ZWP)
3.2 - Slope of a Line	• Find the slope from a graph (D7M) • Find the slope from two points (ZAC) • Find the slope from a table (GSB)
3.3 - Graphing Linear Equations in Slope-Intercept Form	• Slope-intercept form: find slope and y-intercept (U55) • Graph a line from an equation in slope-intercept form (W5E)
3.4 - Graphing Linear Equations in Standard Form	• Convert a linear equation in standard form to slope-intercept form (NKM) • Graph a line from an equation in standard form (7MZ)
3.5 - Writing Linear Equations in Slope-Intercept Form	• Write a linear equation from a slope and y-intercept (WHP) • Write a linear equation from a graph (WHM) • Write a linear equation from a slope and a point (VKP) • Write a linear equation from two points (2R9) • Write a linear function from a table (UYY) • Equations of horizontal and vertical lines (MRC)
3.6 - Scatter Plots	• Create scatter plots (AVL) • Interpret scatter plots (66P) • Identify trends with scatter plots (GZE) • Outliers in scatter plots (RP8) • Make predictions with scatter plots (CM7)
3.7 - Lines of Fit	• Identify lines of best fit (BG7) • Write equations for lines of best fit (ZQ6) • Interpret lines of best fit: word problems (9DW) • Interpret the slope and y-intercept of a linear function (H5B)