



UNIT 4 - WRITING LINEAR FUNCTIONS

In the table below are the IXL topics aligned with what you are learning in class. The topics are recommended as extra practice when you need it.

| LESSON IN NOTES | IXL TOPIC |
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| 4.1: Writing Equations in Slope-Intercept Form | <ul style="list-style-type: none">• Slope-intercept form: write an equation from a graph (9GW)• Slope-intercept form: write an equation (A42)• Slope-intercept form: write an equation from a table (SSE)• Equations of horizontal and vertical lines (K8H) |
| 4.2a: Writing Equations in Point-Slope Form | <ul style="list-style-type: none">• Point-slope form: write an equation (PPE)• Point-slope form: write an equation from a graph (LBX) |
| 4.2b: Writing Equations in Standard Form | <ul style="list-style-type: none">• Write linear equations in standard form (ESP) |
| 4.3: Writing Equations of Parallel & Perpendicular Lines | <ul style="list-style-type: none">• Slopes of parallel and perpendicular lines (AD8)• Write an equation for a parallel or perpendicular line (5SH) |
| 4.4: Scatter Plots & Lines of Fit | <ul style="list-style-type: none">• Identify trends with scatter plots (GZE)• Interpret scatter plots (66P)• Lines of best fit (DEH)• Write equations for lines of best fit (Y2S) |
| 4.5: Analyzing Lines of Fit | <ul style="list-style-type: none">• Find the equation of a regression line (WJC)• Calculate correlation coefficients (E8T)• Match correlation to scatter plots (FQ7) |
| 4.6: Arithmetic Sequences | <ul style="list-style-type: none">• Arithmetic sequences (ALG)• Write variable expressions for arithmetic sequences (5VF) |
| 4.7: Piecewise Functions | <ul style="list-style-type: none">• Evaluate piecewise-defined functions (86S)• Graph piecewise-defined functions (86G) |