

SDUHSD Honors Bridge - Rates of Change and Quadratics

Video Tutorials and Practice Worksheets

Section 4.2

Topics	Worksheets	Videos
Determining if Data is Linear or Exponential	Worksheet	Classroom Task Video
Determining if a Sequence is Arithmetic or Geometric and Writing Recursive and Explicit Rules	Worksheet 1 Worksheet 2	Classroom Task Video
Determining the Rate of Change	Worksheet	Homework Video 1 Homework Video 2
Arithmetic & Geometric Means	Worksheet	Homework Video

Section 4.3

Topics	Worksheets	Videos
Determining if a Sequence is Arithmetic or Geometric and Writing Recursive and Explicit Rules	Worksheet 1 Worksheet 2	Classroom Task Video
Determining a Linear Model and an Exponential Model for a Context	Worksheet	Classroom Task Video
Writing Explicit Equations for Linear and Exponential Models	Worksheet	Homework Video
Solving a System of Equations by Graphing	Worksheet	Homework Video
Average Rate of Change	Worksheet	Homework Video

Section 4.4

Topics	Worksheets	Videos
Writing an Equation of Lines in slope-intercept form and point-slope form	Worksheet 1 Worksheet 2	Homework Video 1 Homework Video 2
Rewrite Equations into Slope-Intercept Form	Worksheet	Homework Video
Graphing Linear Functions	Worksheet	Homework Video
Graphing Exponential Functions	Worksheet	Homework Video

Section 10.1

Topics	Worksheets	Videos
Transformations of Quadratic Functions	Worksheet	Classroom Task Video
Features of Quadratic Function Graphs	Worksheet	Homework Video
Writing Quadratic Functions in Vertex Form Given the Vertex and a Point or Given the Graph	Worksheet (Question 1 Only) Key (Question 1 Only)	Video
Multiplying Binomials to Write Functions in Standard Form	Worksheet	Video
Graphing Quadratic Functions in Vertex Form	Worksheet	Video

Section 10.2

Topics	Worksheets	Videos
Graphing Quadratic Functions in Vertex Form	Worksheet	Classroom Task Video
Multiplying Binomials	Worksheet	Homework Video
Using Tables of Values to Identify Features of Quadratic Functions	Worksheet	Homework Video 1 Homework Video 2
Completing the Square to Write Expressions As a Perfect Square Trinomial	Worksheet	Video 1 Video 2

Section 10.3

Topics	Worksheets	Videos
Completing the Square on Functions to Write the Function in Vertex Form	Worksheet	Classroom Task Video 1 Classroom Task Video 2
Finding x- and y-Intercepts in Linear Functions	Worksheet	Homework Video
Multiplying Binomials	Worksheet	Homework Video
Squaring Binomials	Worksheet	Homework Video
Writing Quadratic Functions in Vertex Form Given the Vertex and a Point or Given a Graph	Worksheet	Video

Graphing Quadratic Functions in Vertex Form	Worksheet	Video
Completing the Square to Write Functions in Vertex Form When the 'a' Doesn't Equal 1	Worksheet	Video 1 Video 2
Converting from Vertex Form to Standard Form	Worksheet	Video 1 Video 2

Section 10.4

Topics	Worksheets	Videos
Complete the Square to Identify the Vertex of a Quadratic Function	Worksheet	Classroom Task Video
Factoring Perfect Square Trinomials	Worksheet	Homework Video
Completing the Square on Expressions	Worksheet	Homework Video
Factoring Trinomials with No Leading Coefficient	Worksheet	Video 1 Video 2
Identifying Features of Quadratic Functions from Vertex Form	Worksheet	Video
Converting from Vertex Form to Standard Form	Worksheet	Video 1 Video 2

Section 10.5

Topics	Worksheets	Videos
Factoring Trinomials	Worksheet 1 Worksheet 2	Classroom Task Video
Multiplying the Difference of Squares	Worksheet	Homework Video
Converting Between Standard Form, Factored Form, and Vertex Form	Worksheet	Video 1 Video 2 Video 3
Factoring the Difference of Squares	Worksheet	Video 1 Video 2
Zero Product Property	Worksheet	Video

Section 10.6

Topics	Worksheets	Videos
Graphing Quadratics in Factored/Intercept Form	Worksheet Key	Classwork Task Video
Multiplying Binomials Using a Two-Way Table (Area Model)	Worksheet	Homework Video
Finding Vertex & Intercepts from Factored Form of Quadratic Functions	Worksheet	Homework Video
Identify Vertex & Intercepts from Vertex Form of Quadratic Functions	Worksheet	Homework Video
Factoring Quadratic Expressions	Worksheet	Video 1 Video 2
Converting Between Standard Form, Factored Form, and Vertex Form	Worksheet 1 Worksheet 2 Worksheet 3	Video 1 Video 2 Video 3

Section 10.7

Topics	Worksheets	Videos
Multiple Representations of Quadratic Functions	Worksheet	
Quadratic Function Word Problems	Worksheet	Homework Video 1 Homework Video 2
Factoring Difference of Squares	Worksheet	Homework Video
Factoring Trinomials	Worksheet	Homework Video 1 Homework Video 2
Converting Between Standard Form, Factored Form, and Vertex Form	Worksheet 1 Worksheet 2 Worksheet 3	Video 1 Video 2 Video 3
Completing the Square on Functions to Write the Function in Vertex Form	Worksheet	Video 1 Video 2
Graphing Quadratic Functions in Vertex Form	Worksheet	Video