**Math 1B**

**Unit 5: Quadratic Functions**

 **How is factoring connected to multiplying polynomials?**

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| Day | Date | Topic | Classwork |
| 1 | Mon.3/13 | Perfect squares/square roots | Perfect squares/square roots NotesKhan Academy |
| 2 | Tues.3/14 | Perfect squares/square roots**No Quiz☺** | Perfect squares/square roots PracticeKhan Academy |
| 3 |  Weds.3/15 | Perfect cubes/cube roots | Perfect cubes/cube roots NotesKhan Academy |
| 4 | Thurs.3/16 | Perfect cubes/cube roots |  Perfect cubes/cube roots PracticeKhan Academy |
| 5 | Fri.3/17 | Review adding, subtracting, multiplying polynomials | Review adding, subtracting, multiplying polynomialsKhan Academy |
| 6 | Mon.3/20 | Quiz #1 Study GuideReview adding, subtracting, multiplying polynomials | Review adding, subtracting, multiplying polynomialsKhan Academy |
| 7 | Tues.3/21 | **QUIZ #1 – Unit 5**Review adding, subtracting, multiplying polynomials | Quiz #1 – Unit 5Khan Acadmey |
| 8 | Weds.3/22 | Factoring (GCF) | Factoring (GCF) NotesKhan Academy |
| 9 | Thurs.3/23 | Factoring (GCF) | Factoring (GCF) PracticeKhan Academy |
| 10 | Fri.3/24 | Factoring (Grouping) | Factoring (Grouping) NotesKhan Academy |
| 11 | Mon.3/27 | Factoring (Grouping) Midterm Review | Factoring (Grouping) PracticeKhan Academy |
| 12 | Tues.3/28 | **Midterm – Units 1,2, 3, 4 and 5 (so far)** | MidtermKhan Academy |
| 13 | Weds.3/29 | **Quarter 3 Ends**Factoring Trinomials (a=1) without calc | Factoring Trinomials (a=1) without calcNotesKhan Academy |
| 14 | Thurs.3/30 | Factoring Trinomials (a=1) without calc | Factoring Trinomials (a=1) without calcPracticeKhan Academy |
| 15 | Fri.3/31 | Factoring Trinomials (a≠1) without calc | Factoring Trinomials (a≠1) without calcNotesKhan Academy |
| 16 | Mon.4/3 | Factoring Trinomials (a≠1) without calcQuiz #2 Study Guide | Factoring Trinomials (a≠1) without calcPracticeKhan Academy |
| 17 | Tues.4/4 | **Quiz #2 – Unit 5**Review Factoring so far | Quiz #2Review FactoringKhan Academy |
| 18 |  Weds. 4/5 | Factoring Special Cases (Difference of Two Perfect Squares) | Factoring Special Cases (Difference of Two Perfect Squares) NotesKhan Academy |
| 19 | Thurs.4/6 | Factoring Special Cases (Difference of Two Perfect Squares) | Factoring Special Cases (Difference of Two Perfect Squares) PracticeKhan Academy |
| 20 | Fri.4/7 | Factoring Special Cases (Perfect Square Trinomial) | Factoring Special Cases (Perfect Square Trinomial) NotesKhan Academy |
| 21 | Mon.4/17 | Factoring Special Cases (Perfect Square Trinomial)Review all factoring – Quiz #3 Study Guide | Factoring Special Cases (Perfect Square Trinomial) PracticeKhan Academy |
| 22 | Tues.4/18 | **Quiz #3 – Unit 5**Graphs of Quadratics (x-intercepts, min/max, y-intercepts) | Quiz #3Graphs of Quadratics (x-intercepts, min/max, y-intercepts) NotesKhan Academy |
| 23 | Weds.4/19 | Graphs of Quadratics (x-intercepts, min/max, y-intercepts) | Graphs of Quadratics (x-intercepts, min/max, y-intercepts) PracticeKhan Academy |
| 24 | Thurs.4/20 | Solving Quadratic EquationsRelationship between factors and zeros | Solving Quadratic EquationsRelationship between factors and zeros |
| 25 | Fri.4/21 | Applications of QuadraticsArea models and Projectile Motion | Applications of QuadraticsArea models and Projectile Motion Notes |
| 26 | Mon.4/24 | Applications of QuadraticsArea models and Projectile MotionBenchmark Review | Applications of QuadraticsArea models and Projectile MotionPractice |
| 27 | Tues.4/25 | **Benchmark – Culumlative Unit 5 Test** | BenchmarkKhan Academy |
| 28 | Weds.4/26 | Compare Linear, Exponential, and Quadratic Models (review of linear and exponential) | Compare Linear, Exponential, and Quadratic Models (review of linear and exponential) |
| 29 | Thurs.4/27 | Compare Linear, Exponential, and Quadratic Models (review of linear and exponential) | Compare Linear, Exponential, and Quadratic Models (review of linear and exponential) |
| 30 | Fri4/28 | Compare Linear, Exponential, and Quadratic Models (review of linear and exponential) | Compare Linear, Exponential, and Quadratic Models (review of linear and exponential) |

**Tutorials: Tuesday – Lunch B**

 **Thursday – Lunch A**