**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 Notes  Khan Academy |
| 2 | Tues.  3/14 | Perfect squares/square roots  **No Quiz☺** | Perfect squares/square roots Practice  Khan Academy |
| 3 | Weds.  3/15 | Perfect cubes/cube roots | Perfect cubes/cube roots Notes  Khan Academy |
| 4 | Thurs.  3/16 | Perfect cubes/cube roots | Perfect cubes/cube roots Practice  Khan Academy |
| 5 | Fri.  3/17 | Review adding, subtracting, multiplying polynomials | Review adding, subtracting, multiplying polynomials  Khan Academy |
| 6 | Mon.  3/20 | Quiz #1 Study Guide  Review adding, subtracting, multiplying polynomials | Review adding, subtracting, multiplying polynomials  Khan Academy |
| 7 | Tues.  3/21 | **QUIZ #1 – Unit 5**  Review adding, subtracting, multiplying polynomials | Quiz #1 – Unit 5  Khan Acadmey |
| 8 | Weds.  3/22 | Factoring (GCF) | Factoring (GCF) Notes  Khan Academy |
| 9 | Thurs.  3/23 | Factoring (GCF) | Factoring (GCF) Practice  Khan Academy |
| 10 | Fri.  3/24 | Factoring (Grouping) | Factoring (Grouping) Notes  Khan Academy |
| 11 | Mon.  3/27 | Factoring (Grouping)  Midterm Review | Factoring (Grouping) Practice  Khan Academy |
| 12 | Tues.  3/28 | **Midterm – Units 1,2, 3, 4 and 5 (so far)** | Midterm  Khan Academy |
| 13 | Weds.  3/29 | **Quarter 3 Ends**  Factoring Trinomials (a=1) without calc | Factoring Trinomials (a=1) without calc  Notes  Khan Academy |
| 14 | Thurs.  3/30 | Factoring Trinomials (a=1) without calc | Factoring Trinomials (a=1) without calc  Practice  Khan Academy |
| 15 | Fri.  3/31 | Factoring Trinomials (a≠1) without calc | Factoring Trinomials (a≠1) without calc  Notes  Khan Academy |
| 16 | Mon.  4/3 | Factoring Trinomials (a≠1) without calc  Quiz #2 Study Guide | Factoring Trinomials (a≠1) without calc  Practice  Khan Academy |
| 17 | Tues.  4/4 | **Quiz #2 – Unit 5**  Review Factoring so far | Quiz #2  Review Factoring  Khan Academy |
| 18 | Weds.  4/5 | Factoring Special Cases (Difference of Two Perfect Squares) | Factoring Special Cases (Difference of Two Perfect Squares) Notes  Khan Academy |
| 19 | Thurs.  4/6 | Factoring Special Cases (Difference of Two Perfect Squares) | Factoring Special Cases (Difference of Two Perfect Squares) Practice  Khan Academy |
| 20 | Fri.  4/7 | Factoring Special Cases (Perfect Square Trinomial) | Factoring Special Cases (Perfect Square Trinomial) Notes  Khan Academy |
| 21 | Mon.  4/17 | Factoring Special Cases (Perfect Square Trinomial)  Review all factoring – Quiz #3 Study Guide | Factoring Special Cases (Perfect Square Trinomial) Practice  Khan Academy |
| 22 | Tues.  4/18 | **Quiz #3 – Unit 5**  Graphs of Quadratics (x-intercepts, min/max, y-intercepts) | Quiz #3  Graphs of Quadratics (x-intercepts, min/max, y-intercepts) Notes  Khan Academy |
| 23 | Weds.  4/19 | Graphs of Quadratics (x-intercepts, min/max, y-intercepts) | Graphs of Quadratics (x-intercepts, min/max, y-intercepts) Practice  Khan Academy |
| 24 | Thurs.  4/20 | Solving Quadratic Equations  Relationship between factors and zeros | Solving Quadratic Equations  Relationship between factors and zeros |
| 25 | Fri.  4/21 | Applications of Quadratics  Area models and Projectile Motion | Applications of Quadratics  Area models and Projectile Motion Notes |
| 26 | Mon.  4/24 | Applications of Quadratics  Area models and Projectile Motion  Benchmark Review | Applications of Quadratics  Area models and Projectile Motion  Practice |
| 27 | Tues.  4/25 | **Benchmark – Culumlative Unit 5 Test** | Benchmark  Khan 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 | Fri  4/28 | 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**