**Unit 5 – ALGEBRAIC MODELS**



**WHAT YOU’LL LEARN**

How to rearrange formulas, evaluate powers, and solve exponential equations

**AND WHY**

These skills can help you solve real-world problems in fields such as usiness, construction, design, medicine, science, and technology.

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| **DAY** | **LESSON** | **HOMEWORK/ ASSESSMENT** |
| * 1 | Using Formulas to Solve Problems | Page 346 #2 – 4 (a, d), 6 – 9, 12 |
| * 2 | Rearranging Formulas | Page 354 #2, 4, 9, 11, 12, 14 – 16 |
| * 3 | Laws of Exponent | Page 362 #1 – 3 (bef), 4 bce, 5 (bdfh)6, 7b, 8ac, 10, 13 |
| * 4 | Patterns in Exponents | **QUIZ 1 on DAYS 1 & 2**  Page 369 #2bde, 3 – 5 |
| * 5 | Rational Exponents | Page 376 #3ad, 5cd, 6acf, 9, 10ade, 12b, 13, 14ac |
| * 6 | Exponential Equations | Page 384 #1 – 3 (cd), 4, 5, 6, 7aceg, 10abd, 15, 16ab |
| * 7 | Applications of Exponential Equations | **QUIZ 2 on DAYS 3, 4 & 5**  Page 391 #1ac, 3ac, 8, 11b, 12bc, 14, 17, 21 |
| * 8 | Unit Review | Page 400 #1, 5, 7, 9, 11, 15, 16, 18ab, 19ace, 21, 23, 24 Page 403 #1 – 3, 5, 6 |
| * 9 | Unit Test |  |