**Grade 9 Math Exam Outline & Review Pack**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

The grade 9 math exam will cover the targets/outcomes covered in class

A­-1 A-2 A-3 B-1 B-2 B-3 C-1 C-2 C-3 D-1 D-2 E-1 E-2 F-3

**Study Strategy**

A good study strategy is to review notes and examples on each target, then complete review questions. After completing review questions, be sure to correct your work. Answer keys can be found on the classroom website and in class. Seek out extra practice or help on targets you struggle on. Extra practice can be found in the blue box in class or using your IXL account.

**Quick Guide & Review Questions**

|  |  |
| --- | --- |
| Part 1: Rational Numbers: (A-1, A-2, B-3)  Part 2: Powers: (B-1, B-2, B-3)  Part 3: Polynomials: (C-1, C-2, C-3) | Part 4 Equations & Inequalities: (D-1, D-2) Part 5 Patterns and Lines: (E-1, E-2)  Part 6 Surface Area: (F-3) |

**Calculator/No Calculator**

During the year you were assessed on some targets without using a calculator. This will also be the case on the exam. Without a calculator, you will need to be able to operate on rational numbers and simplify powers using power laws. There will also be a mental math section of the exam as there was on the unit tests.

**Required for Exam**

For your exam, you will need: a calculator  
 2 pencils  
 a ruler  
 an eraser  
  
You will be given scrap paper and a formula sheet.

**Exam Length**

The exam is two hours. You may have 30 minutes of extra time if required.

If you feel that you take longer on certain types of questions or find them difficult, be sure to seek out extra practice on those types. You are not only trying to do well on this exam, but also to set yourself up for success as your continue high school mathematics.

**The math exam is Thursday, June 24th**

**Grade 9 Math Exam Review Study Booklet 1**

**Part 1 – Circle Geometry (G-1)**

2.

1.

|  |  |  |
| --- | --- | --- |
| 3. | 6.  5.  4. |  |

**Part 2 – Rational Numbers (A-1) (A-2)**

|  |  |
| --- | --- |
|  |  |

**Part 3 - Powers**

**(B-1) (B-2) (B-3)**

1.

5.

|  |  |
| --- | --- |
| 6.    7.  2.    8.  3.    9.  4. |  |

**Part 4 – Polynomials C-1 C-2 C-3**

|  |  |
| --- | --- |
| 6  2  1    7  3  4      8  5 |  |

**Part 5 – Equations/Inequalities (D-1) /(D-2)**

|  |  |
| --- | --- |
| 6.  1.  2.    7.  3.      9.  8.  4.    5. |  |

|  |  |
| --- | --- |
| 6.  **Part 6: Patterns and Lines (E-1) (E-2)**    7.  3. | 5.      8. |

4.

2.

1.

**Part 7 – Surface Area of Composite Objects (F-3)**

b)

a)

2.

1.

|  |  |
| --- | --- |
| 3.    4.  Determine the surface area of the objects below | Determine the surface area |