**Brevard Public Schools Secondary Mathematics Tournament – April 12, 2014  
Written Test Division 2 – Algebra 2 and Pre-Calculus**

**Answer Sheet – Please put answers only to all questions from the written test in the box provided.**

**SCHOOL \_\_\_\_KEY\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ GRADER 1 INITIAL\_\_\_\_\_\_\_\_\_\_ SCORE\_\_\_\_\_\_\_\_\_**

**SUBJECT ALGEBRA 2 & PRECALC GRADER 2 INITIAL\_\_\_\_\_\_\_\_\_\_SCORE\_\_\_\_\_\_\_\_\_\_**

**(**If needed) **GRADER 3 INITIAL\_\_\_\_\_\_\_\_\_\_SCORE\_\_\_\_\_\_\_\_\_\_**

|  |  |  |  |
| --- | --- | --- | --- |
| **1.** | (R ▫ S)(20,500) by $200 | **7.** | ≈ 444.1 feet (rounded) |
| **2.** |  | **8.** | 1st: 36 30th : 2124 |
| **3.** | –256 | **9.** | ±1 |
| **4.** | 1287 | **10.** | (simplest radical form) |
| **5.** | 850 km/h | **11.** | 9 |
| **6.** | Equation: h = 9 sin + 46 . | **12.** | $1020 |
| **13.** | 1st: Cheryl  2nd: Richard  3rd: Derek |
| **14.** | 5 + (exact) |
| **15.** | 2 |
|  |  |  |  |
| **16.** | (exact simplified) | **21.** | –24 |
| **17.** | 85 OR (exact) | **22.** | 8 in. |
| **18.** | 4 | **23.** | 2 |
| **19.** |  | **24.** | 0.48 gallons OR 0.5 gallons |
| **20.** | 14 m |  |  |