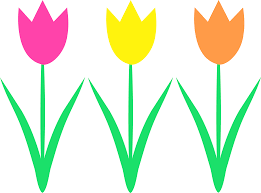
**Accelerated 2**

**Spring Student Enrichment Packet**



PRINCE GEORGE’S COUNTY PUBLIC SCHOOLS

Office of Academic Programs

Department of Curriculum and Instruction

**™**

**Accelerated 2 Spring Enrichment Packet**

**Answer Key**

|  |  |
| --- | --- |
| **Problem** | **Answer** |
| 1. | (2, -1) |
| 2. |  |
| 3. | D, E |
| 4. Part A | Coach Patrick: 16*s* + 12*d* = 144  Coach Samuel: 12*s* + 15*d* = 120 |
| Part B | 1 Sandwich = $7.50  1 Drink = $2 |
| 5. | D |
| 6. Part A | (-2, 2) |
| Part B | I can check that the solution is correct by substituting -2 for *x* and 2 for y and checking that the two sides of the equation are equal.  6(-2) + 3(2) = -6 and 2 = ½(-2) + 3 |
| 7. | C |
| 8. Part A | The axis intervals and points plotted should be accurate. |
| Part B | Positive; more |
| 9. Part A | 7/20 |
| Part B | 3/13 |
| 10. | Equivalent: 33, 36-3,  Not Equivalent:3-18, 3-3, , |
| 11 | False, False, True, False, False |
| 12. | From left to right: , , , , |
| 13. | C |
| 14. | C |
| 15. Part A | 32 + 12 = c2  10 = c2  3.2 = c  The baseball diamond is 3.2 km from the track. |
| Part B | One pair that has an equal distance of 3.2 km is the soccer field and the baseball diamond, and the other is the basketball courts and the school. I know this because each pair is separated by a diagonal of a triangle which has three units on one side and one unit on the other. |
| Part C | From the track to the basketball courts, it is 7.3 km:  72 + 22 = c2  49 + 4 = c2  53 = c2  7.3 = c  From the soccer field to the basketball courts, it is 6.7 km:  32 + 62 = c2  9 + 36 = c2  45 = c2  6.7 = c  So it is farther from the track to the basketball courts than the soccer field to the basketball courts. |