**College and Career Mathematics**

**Winter Student Enrichment Packet**

***Answer Key***



PRINCE GEORGE’S COUNTY PUBLIC SCHOOLS

Office of Academic Programs

Department of Curriculum and Instruction

**™**

NOTE TO STUDENT

*This Winter Student Enrichment Packet has been compiled to complement high school mathematics classroom instruction aligned to Maryland College and Career Ready Standards (MCCRS). It is intended to be used for* ***review and practice*** *of previously taught and new concepts.*

*We strongly encourage you to work diligently to complete the activities in this packet. You may experience some difficulty with some problems in this packet, but we encourage you to explore and attempt to find a solution to the best of your ability..*

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|  | **Answer** | **Assessment & Standard Reference** |
| **1** | **C** | **SAT: ATM** |
| **2** | **A** | **SAT: PAM** |
| **3** | **B** | **SAT: PAM** |
| **4** | **D** | **SAT: PAM** |
| **5** | **D** | **SAT: PSDA** |
| **6** | **D** | **SAT: PSDA** |
| **7** | **B** | **SAT: HA** |
| **8** | **D** | **SAT: PBDA** |
| **9** | **B** | **SAT: ATM** |
| **10** | **B** | **SAT: PSDA** |
| **11** | **C, D** | **PARCC: F.BF.2** |
| **12** | **D** | **PARCC: A.REI.12** |
| **13** | **C, E** | **PARCC: F.IF.9** |
| **14** | **B** | **PARCC: F.IF.6** |
| **15** | **Part A: A****Part B: C** | **PARCC: F.INT.1** |
| **16** | **(see below)** | **PARCC: A.APR.3, HS.C.18.4** |
| **17** | **Part A: 8****Part B: B, F****Part C: C****Part D: B** | **PARCC: F.IF.4** |
| **18** | **Part A: (see below)****Part B: (see below)** | **PARCC: S.IC.1, S.IC.3, HS.D.3.5** |
| **19** | **Part A: (see below)****Part B: (see below)** | **PARCC: 7.RP.3, A.SSE.1, HS.C.CCR** |
| **20** | **Part A: (see below)****Part B: (see below)****Part C: (see below)** | **PARCC: 8.EE.7, HS.D.1.1** |

**HA: Heart of Algebra**

**PSDA: Problem Solving and Data Analysis**

**PAM: Passport to Advanced Math**

**ATM: Additional Topics in Math**

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| **16** |  |

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| **18** | **Part A:****Part B:** |

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| **19** | **Part A:****Part B:** |

|  |  |
| --- | --- |
| **20** | **Part A:****Part B:** |

|  |  |
| --- | --- |
|  | **Part C:** |