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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Carl Friedrich Gauss

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| **Across**  **2.** Invented the method of least \_\_\_\_\_  **7.** Created an equation for Gauss’s Law for \_\_\_\_\_\_\_, which states that magnetic monopoles do not exist  **8.**  1809 he published an important two-volume work on the motion of heavenly bodies – Theory of Motion of the \_\_\_\_\_\_\_ Bodies.  **9.** Discovered the \_\_\_\_\_ number theorem when he was a teenager  **10.** Helped in the discovery of this dwaf planet  **11.**  Seventeen-sided polygon or 17-gon; Antient Greeks could not discover it  **12.** The number of regular polygons that can be constructed using only straightedges and compass that Friedrich Gauss discovered | **Down**  **1.** Published this book in 1801 (2 words)  **3.** Showed that earth’s magnetic field can be defined using what kind of system of measurment? (2 words)  **4.** Invented this in 1821; is a mirror that reflects the sun’s rays over very long distances.  **5.** In his book, Gauss explained modern \_\_\_\_\_ theory  **6.** This is Gauss’s discovery that every integer can be formed by summing at most three \_\_\_\_\_\_numbers. |