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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.  |