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Pre-Calculus Crossword Puzzle

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|  |  |  |  |  |  |  | 3  U |  |  |  |  |  |  |  |  | E |  | 4  C |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | N |  |  |  |  |  |  | 5  G |  | G |  | O |  | 6  D |  | 7  C |  |  |  |  |  |  |  |
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|  |  |  |  | 9  C | A | R | T | E | S | I | A | N | C | O | O | R | D | I | N | A | T | E | S |  |  | X |  |  |  |
|  |  |  |  |  |  |  | V |  |  |  |  |  |  | M |  |  |  | N |  | M |  | F |  |  |  | P |  |  |  |
|  |  | 10  V | O | L | U | M | E |  | 11  H | Y | P | O | T | E | N | U | S | E |  | E |  | F |  | 12  M |  | O |  |  |  |
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|  |  | 13  B | I | S | E | C | T | O | R |  | 14  D | E | G | R | E | E |  | 15  V |  | E |  | 16  C | O | N | V | E | X |  |  |
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|  |  |  |  |  |  |  | R |  |  | 17  C |  |  |  | C |  | 18  P |  | R |  |  |  | E |  | R |  | T |  |  |  |
|  |  |  |  |  |  |  |  |  | 19  P | H | A | S | E | S | H | I | F | T |  |  |  | N |  | A |  |  |  |  |  |
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|  |  |  |  |  |  | 21  D | I | V | E | R | G | E |  | Q |  |  |  | X |  | Y |  |  |  | I |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  | 22  A | R | E | A |  |  |  |  | E |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  | 24  L | I | N | E | A | R | E | Q | U | A | T | I | O | N |  |  |  |  |  |  |  |  |
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| **Across**  **2.** The differnce between the lowest and highest numbers.  **9.** A way to pinpoint where you are on a map or graph by how far along or how far up or down the graph is  **10.** The amount of 3 dimensional space and object occupy  **11.** The longest side on a right triangle  **13.** The line that divides something into two equal parts  **14.** The largest exponent for a polynomial with one variable  **16.** Curved outwards  **19.** How far a periodic function is horizontally to the right of the usual position  **21.** Does not converge, does not settle with some value  **22.** The size of a surface  **24.** An equation that makes a straight line when it is graphed  **25.** A value that you get closer and closer to, but can never reach | **Down**  **1.** A number with no fractional part  **3.** A vector with a magnitude of one  **4.** The length of the adjacent side divided by the length of the hypotenuse  **5.** A sequence made by multiplying by some value each time  **6.** A straight line going through the center of a circle connecting two points on the circumference  **7.** A number used to multiply a variable  **8.** A number says how many times to use that number in a multiplication  **12.** The shortest diameter of an ellipse  **15.** A point where two or more straight lines meet  **17.** A line segment connecting two points on a curve  **18.** The ratio of a circle's circumference to it's diameter  **20.** This creates an arched shape when graphed  **23.** The distance from the center to the circumference of a circle |