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Pre-Calculus

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| **Across**  **2.** The function obtained by switching the x- and y-variables in a function.  **4.** Half the difference between the minimum and maximum values of the range.  **8.** The ray where measurement of an angle stops.  **9.** A line through the center which is perpendicular to the major axis.  **10.** Angles which, drawn in standard position, share a terminal side.  **12.** A conic section which is essentially a stretched circle.  **13.** A unit for measuring angles  **15.** Horizontal shift for a periodic function.  **17.** The horizontal distance required for the graph of a periodic function to complete one cycle.  **19.** A conic section that can be thought of as an inside-out ellipse.  **20.** The principle axis of symmetry.  **21.** The circle with radius 1 which is centered at the origin on the x-y plane | **Down**  **1.** two fixed points within the conic section  **3.** For any given angle, its reference angle is an acute version of that angle.  **5.** Trig function where adjacent is over hypotenuse  **6.** Equations relating the sines of the interior angles of a triangle and the corresponding opposite sides.  **7.** A rectangular (or square) array of numbers.  **11.** The ray where measurement of an angle starts.  **14.** The trig function where opposite is over hypotenuse.  **16.** A unit of angle measure equal to  of a complete revolution.  **18.** A u-shaped curve with certain specific properties. |