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

ANSWER KEY

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|  |  |  |  |  |  |  |  | 1  R | I | G | H | T | T | R | I | A | N | G | L | E |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 2  P |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | R |  |  |  |  |  |  |  |  |  | 3  S |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | O |  |  |  |  |  |  |  |  |  | Q |  |  |  |  |  |  |  | 4  C |  |  |  |  |  |
|  |  |  |  |  |  | P |  |  |  |  |  |  |  | 5  E | Q | U | A | T | I | O | N |  |  | O |  |  |  |  |  |
|  |  |  |  |  |  | O |  |  |  |  |  |  |  |  |  | A |  |  |  |  |  |  |  | R |  |  |  |  |  |
|  |  |  |  | 6  Q |  | R |  |  |  |  |  |  |  | 7  I |  | R |  |  |  |  |  | 8  R |  | R |  |  |  |  |  |
|  |  |  |  | U |  | T |  | 9  I |  |  |  | 10  P | E | R | F | E | C | T | S | Q | U | A | R | E |  | 11  A |  |  |  |
|  |  |  |  | A |  | I |  | N |  |  |  |  |  | R |  |  |  |  |  |  |  | T |  | S |  | X |  |  |  |
|  |  |  |  | D |  | O |  | D |  |  |  |  |  | A |  |  |  |  | 12  C |  |  | I |  | P |  | I |  |  |  |
|  |  |  |  | 13  R | A | N | G | E |  | 14  R | I | G | H | T | A | N | G | L | E |  |  | O |  | O |  | S |  |  |  |
|  |  |  |  | A |  |  |  | P |  |  |  |  |  | I |  |  |  |  | N |  |  | N |  | N |  | O |  |  |  |
|  |  | 15  O | U | T | C | O | M | E |  | 16  R | A | T | I | O |  | 17  R | O | O | T | S |  | A |  | D |  | F |  | 18  S |  |
|  |  |  |  | I |  |  |  | N |  |  |  |  |  | N |  |  |  |  | R |  |  | L |  | I |  | S |  | O |  |
|  |  |  |  | C |  |  |  | D |  |  |  |  |  | 19  A | R | C |  |  | A |  |  | N |  | N |  | Y |  | L |  |
|  |  |  |  | F |  |  |  | E |  |  |  |  |  | L |  |  |  |  | L |  |  | U |  | G |  | M |  | U |  |
|  |  |  | 20  D | O | M | A | I | N |  |  | 21  E | V | E | N | T |  |  |  | A |  |  | M |  | P |  | M |  | T |  |
|  |  |  |  | R |  |  |  | T |  |  |  |  |  | U |  |  |  |  | N |  |  | B |  | A |  | E |  | I |  |
|  |  |  |  | M |  |  | 22  T | E | R | M | S |  |  | M |  | 23  P |  |  | G |  |  | E |  | 24  R | A | T | I | O |  |
|  |  |  |  | U |  |  |  | V |  |  |  |  |  | B |  | Y |  |  | L |  |  | R |  | T |  | R |  | N |  |
|  |  |  |  | L |  | 25  C | O | E | F | F | I | C | I | E | N | T |  | 26  S | E | T |  |  |  | S |  | Y |  | S |  |
|  |  |  |  | A |  |  |  | N |  |  |  |  |  | R |  | H |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  | S |  | 27  V | E | N | D | I | A | G | R | A | M |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  | 28  V | E | R | T | E | X |  |  |  |  |  |  |  |  |  |  |
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| **Across**  **1.** A triangle that contains a right angle.  **5.** the statement that the values of two mathematical expressions are equal  **10.** A square with a whole number root.  **13.** All the output values of a function.  **14.** An angle of exactly 90 degrees.  **15.** a possible result of an experiment  **16.** relationship between two numbers indicating how many times the first number contains the second  **17.** value that,when multiplied by itself,gives the number  **19.** an unbroken part of a circle  **20.**  All the input values of a function.  **21.** one of the possible outcomes of a probability experiment  **22.**  a single number or variable, or numbers and variables multiplied together  **24.** relationship between two numbers indicating how many times the first number contains the second  **25.** a numerical or constant quantity placed before and multiplying the variable in an algebraic expression  **26.** a collection or list of items  **27.** a diagram that shows how two or more sets in a universal set are related  **28.**  The maximum or minimum point of a quadratic function.  **29.** A mathematical symbol that indicates the extraction of the root of the square inside. | **Down**  **2.** two ratios or fractions are equal  **3.** The result of multiplying a number by itself  **4.** 'sides and angles' that are images of each other will be equal if the two triangles are congruent.  **6.** x = -b ± √(b² - 4ac)/2a  **7.** Any number that cannot be written as a simple fraction, such as non-repeating, non-terminating decimals, square roots of non-perfect squares, pi.  **8.** Any number that can be written as a simple fraction, with a whole number numerator and denominator, such as terminating decimals, repeating decimals and integers.  **9.** events such that the outcome of one event does not affect the probability of the outcome of another event  **11.**  The line of symmetry that runs through the vertex; can be found algebraically: x=-b/(2a)  **12.** an angle whose vertex is at the center of a circle  **18.** solving a problem  **23.**  Greek philosopher, 570-495 BC. There is no evidence that Pythagoras himself worked on or proved the Pythagorean Theorem, which was used previously by Babylonians and Indians. |