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ANSWER KEY

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|  |  |  |  |  |  |  P |  |  |  |  |  |  |  | 5E |  Q |  U |  A |  T |  I |  O |  N |  |  |  O |  |  |  |  |  |
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|  |  |  |  | 6Q |  |  R |  |  |  |  |  |  |  | 7I |  |  R |  |  |  |  |  | 8R |  |  R |  |  |  |  |  |
|  |  |  |  |  U |  |  T |  | 9I |  |  |  | 10P |  E |  R |  F |  E |  C |  T |  S |  Q |  U |  A |  R |  E |  | 11A |  |  |  |
|  |  |  |  |  A |  |  I |  |  N |  |  |  |  |  |  R |  |  |  |  |  |  |  |  T |  |  S |  |  X |  |  |  |
|  |  |  |  |  D |  |  O |  |  D |  |  |  |  |  |  A |  |  |  |  | 12C |  |  |  I |  |  P |  |  I |  |  |  |
|  |  |  |  | 13R |  A |  N |  G |  E |  | 14R |  I |  G |  H |  T |  A |  N |  G |  L |  E |  |  |  O |  |  O |  |  S |  |  |  |
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|  |  | 15O |  U |  T |  C |  O |  M |  E |  | 16R |  A |  T |  I |  O |  | 17R |  O |  O |  T |  S |  |  A |  |  D |  |  F |  | 18S |  |
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|  |  |  |  |  C |  |  |  |  D |  |  |  |  |  | 19A |  R |  C |  |  |  A |  |  |  N |  |  N |  |  Y |  |  L |  |
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|  |  |  | 20D |  O |  M |  A |  I |  N |  |  | 21E |  V |  E |  N |  T |  |  |  |  A |  |  |  M |  |  P |  |  M |  |  T |  |
|  |  |  |  |  R |  |  |  |  T |  |  |  |  |  |  U |  |  |  |  |  N |  |  |  B |  |  A |  |  E |  |  I |  |
|  |  |  |  |  M |  |  | 22T |  E |  R |  M |  S |  |  |  M |  | 23P |  |  |  G |  |  |  E |  | 24R |  A |  T |  I |  O |  |
|  |  |  |  |  U |  |  |  |  V |  |  |  |  |  |  B |  |  Y |  |  |  L |  |  |  R |  |  T |  |  R |  |  N |  |
|  |  |  |  |  L |  | 25C |  O |  E |  F |  F |  I |  C |  I |  E |  N |  T |  | 26S |  E |  T |  |  |  |  S |  |  Y |  |  S |  |
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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.  |