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

Right triangle and trigonometry

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|  |  |  |  |  |  | 1I |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  N |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  V |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  S |  |  |  |  |  |  |  |  |  | 2A |  |  |  |  |  |  |  |  |  | 33 |  |  |  |
|  |  |  |  |  |  |  E |  |  |  |  |  |  |  | 4R |  |  N |  |  |  |  |  |  |  |  |  |  0 |  |  |  |
|  |  |  |  |  |  |  T |  |  |  |  |  |  |  |  I |  |  G |  |  |  |  |  |  |  |  |  |  6 |  |  |  |
|  |  |  |  |  |  |  R |  |  |  |  |  | 5A |  |  G |  | 6L |  E |  G |  S |  |  |  |  |  |  |  0 |  |  |  |
|  |  |  |  |  |  |  I |  |  |  |  |  |  N |  |  H |  |  E |  |  |  |  |  |  |  |  |  |  9 |  |  |  |
|  |  |  | 7T |  A |  N |  G |  E |  N |  T |  |  |  G |  |  T |  |  O |  | 8S |  |  |  |  |  |  |  |  0 |  |  |  |
|  |  |  |  |  |  |  F |  |  |  |  |  |  L |  |  T |  |  F |  |  I |  |  |  |  | 9A |  |  |  T |  |  |  |
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|  |  | 10C |  O |  S |  I |  N |  E |  | 11O |  P |  P |  O |  S |  I |  T |  E |  L |  E |  G |  |  |  |  J |  |  |  I |  |  |  |
|  |  |  |  |  |  |  C |  |  |  |  |  |  F |  |  A |  |  P |  |  |  |  |  |  |  A |  |  |  A |  |  |  |
|  |  |  |  | 12P |  Y |  T |  H |  A |  G |  O |  R |  E |  A |  N |  T |  R |  I |  P |  L |  E |  |  |  C |  |  |  N |  |  |  |
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|  |  |  | 13H |  Y |  P |  O |  T |  E |  N |  U |  S |  E |  |  L |  |  S |  |  |  |  |  |  |  N |  |  |  L |  |  |  |
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| **Across****6.** the other two sides**7.** trig ratio, opposite over adjacent**10.** trig ratio, adjacent over hypotenuse**11.** across from the theta angle**12.** is a set of three integers a, b, c which form the sides of a right angled triangle**13.** the side opposite the right angle is the hypotenuse**14.** which says that the square of the length of the hypotenuse equals the sum of the squares of the lengths of the legs**15.** is the study of the relationship of the sides and angles of a triangle**16.** isosceles right triangles sometimes referred as, acute angles are equal | **Down****1.** perform the opposite operations that the sine, cosine, tangent, secant, cosecant and cotangent perform**2.** angle which the plane descends**3.** special right triangle has acute angles measuring 30 and 60 degrees.**4.** contains a right angle, which measures 90 degrees and two acute angles each less than 90 degrees**5.** angle between a horizontal line and the line of sight to an object above the horizontal line**8.** trig ratios, opposite over hypotenuse**9.** is adjacent next to the theta angle |