Chapter 7 Crossword Puzzle

|  |  |  |  |
| --- | --- | --- | --- |
| adjacent | cosine | depression | elevation |
| horizontal | hypotenuse | opposite | Pythagorean |
| ratio | right | since | tangent |
| trigonometric | vertical |  |  |

*Use the clues to identify the words from Chapter 7. Then, write the words in the crossword puzzle blank.*

**Across**

**1.** The side in a right triangle directly opposite the 90° angle

**3.** The angle formed between the horizon and a line below the horizon is called the angle of .

**5.** The relationship used to find a missing side of a right triangle given the other two sides

**7.** The side in a right triangle beside the angle of reference

**9.** The angle formed between the horizon and a line above the horizon is called the angle of .

**11.** A comparison of two quantities with the same units

**12.** The ratio of the opposite side to the adjacent side in a right triangle.

**Down**

**1.** A line segment that travels left to right

**2.** The type of ratio used to find the length of a side given the length of another side in a right triangle

**4.** The ratio of the opposite side to the hypotenuse in a right triangle

**6.** Directly across from

**8.** The ratio of the adjacent side to the hypotenuse in a right triangle

**10.** A line segment that travels up and down

**11.** A type of triangle that contains a 90° angle

