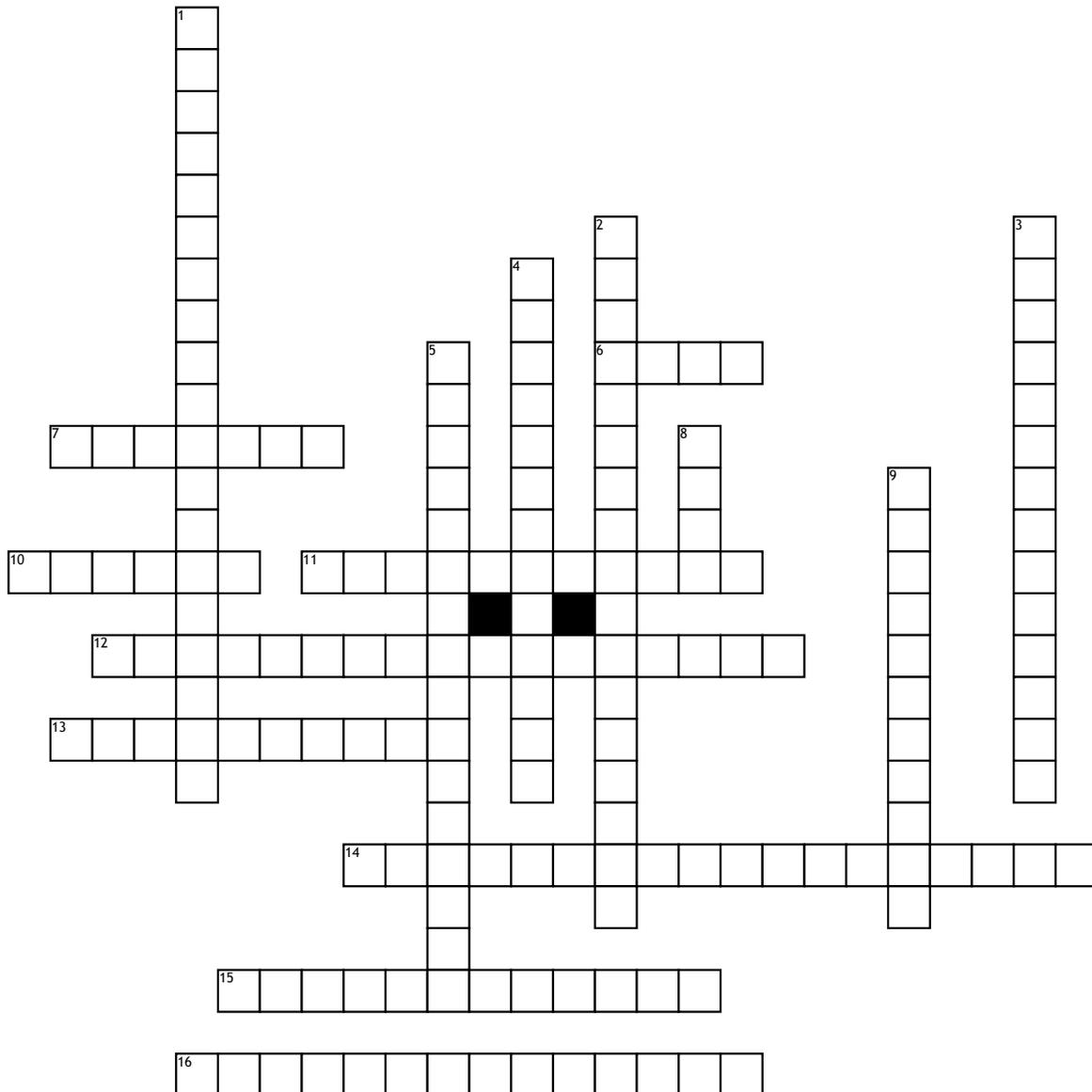


Name: \_\_\_\_\_

Date: \_\_\_\_\_

Period: \_\_\_\_\_

# Right triangle and trigonometry



## 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