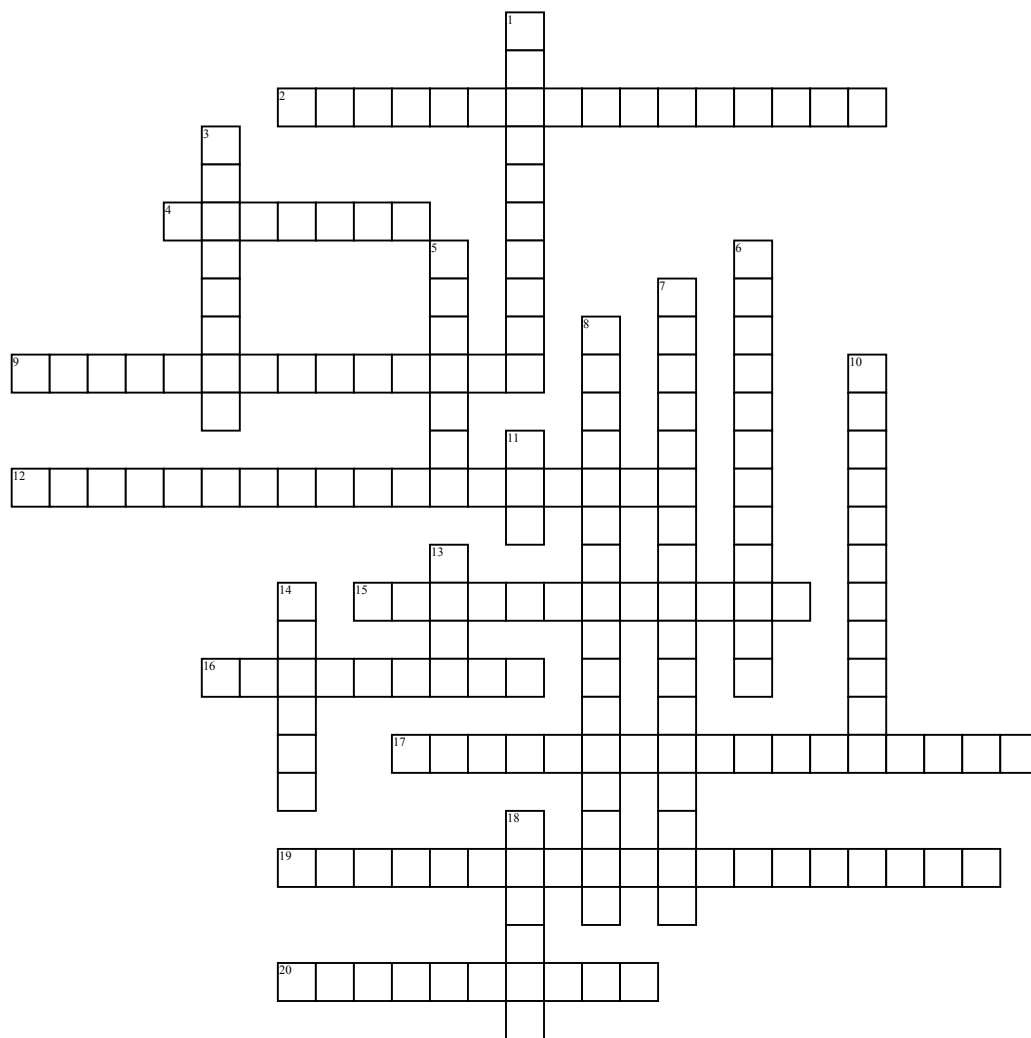


Name: _____

Date: _____

Pre-Cal Crossword



Across

2. Angles in standard position that have the same initial and terminal sides, but different measures.
 4. A half rotation around the unit circle
 9. The hypotenuse is equal to twice the length of the shorter leg, which is the side across from the 30 degree angle. The longer leg, which is across from the 60 degree angle, is equal to multiplying the shorter leg by the square root of 3.
 12. in a right triangle the square of the length of the hypotenuse is equal to the sum of the squares of the lengths of the legs $A^2+B^2=C^2$
 15. means "measurement of angles"

Word Bank

hypotenuse
 cotangent
 cosine
 Sine
 matrix

Pythagorean Theorem
 system of equations
 Trigonometry
 π or 180°
 leg

Unit Circle
 column matrix
 elimination method
 30-60-90 triangle
 Polar Coordinates

Tangent
 2π or 360°
 coterminal angles
 Cramer's Rule
 Pythagorean Identity

16. $\cot\theta = 1/\tan\theta$

17. eliminate one of the variables in a system of equations by adding or subtracting the equations.

19. $\sin^2\theta + \cos^2\theta = 1$

20. side opposite the right angle in the right triangle

Down

1. Each real number t corresponds to a point (x, y) on the _____

3. A full rotation around the unit circle

5. The ratio of the side opposite of a right triangle divided by the adjacent side for a right triangle.

6. A matrix that has only one column.

7. a collection of two or more equations with a same set of unknowns.

8. by points that are a variable distance from the origin depending on the angle measured off the positive x-axis.

10. A method that uses determinants to solve square systems of linear equations.

11. two sides of a right triangle forming the right triangle

13. The ratio of the side opposite of a right triangle divided by the hypotenuse for a right triangle.

14. rectangular array of numbers.

18. The ratio of the adjacent side of a right triangle divided by the hypotenuse.