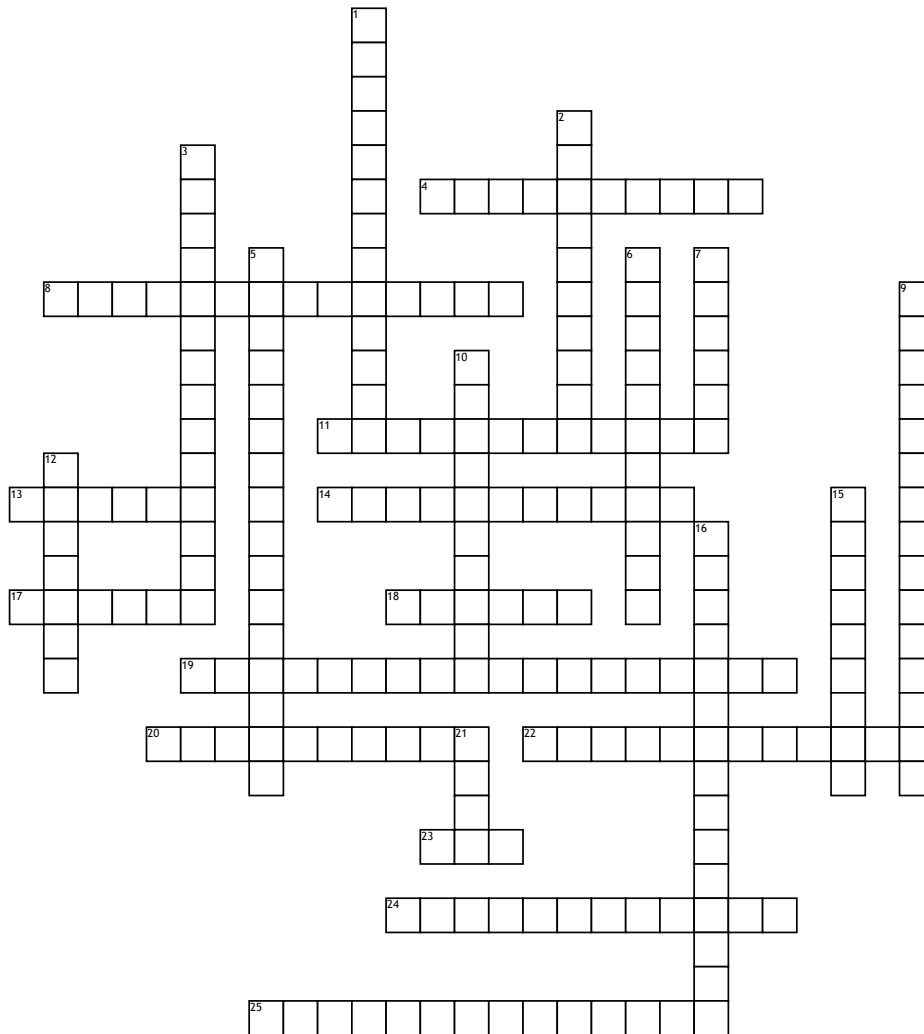


Tray's pre-cal crossword



Across

- 4. side opposite the right angle in the right triangle
- 8. A special right triangle with acute angles measuring 30° and 60° .
- 11. ray of an angle that rotates about the vertex
- 13. measure of a central angle whose sides intercept an arc that is the same length as the radius of the circle
- 14. The leg next to the angle θ
- 17. measure of an angle that is $1/360$ of a complete rotation in the positive direction is called?
- 18. A trigonometric function that equals $1/x$ coordinate
- 19. $a^2+b^2=c^2$

- 20. used to find the missing measures in nonright triangles
- 22. The position after rotation of the ray
- 23. two sides of a right triangle forming the right triangle
- 24. used to solve a triangle if you know the measures of two sides and the included angle (SAS.)
- 25. The angle between the terminal side of an angle and the x-axis

Down

- 1. contains a right angle, which measures 90 degrees and two acute angles each less than 90 degrees
- 2. Different angles which have a terminal side in the same position
- 3. An isosceles right triangle

- 5. angle with its vertex at the origin and its initial side along the positive x-axis
- 6. The leg across from the angle θ
- 7. A trigonometric ratio of adjacent/hypotenuse
- 9. The values of the trigonometric functions of angles greater than 90 degrees can be determined from their values at corresponding acute angles
- 10. circle of radius one unit whose center is at the origin of a rectangular coordinate system
- 12. A trigonometric ratio of opposite/adjacent
- 15. ratio of the sides of a right triangle used to define the sine, cosine, and tangent ratios of the triangle
- 16. angle in standard position whose terminal side coincides with one of the axes
- 21. A trigonometric ratio of opposite/hypotenuse

Word Bank

| | | | | |
|------------------|-------------------|-------------------|-----------------|---------------------|
| quadrantal angle | right triangle | Coterminal | Tangent | cosine |
| Leg | Standard position | hypotenuse | Opposite leg | Terminal Side |
| trig ratio | 45-45-90 triangle | 30-60-90 triangle | Sine | Adjacent leg |
| radian | law of sines | law of cosines | Secant | Reference angles |
| unit circle | Degree | terminal side | Reference angle | Pythagorean Theorem |