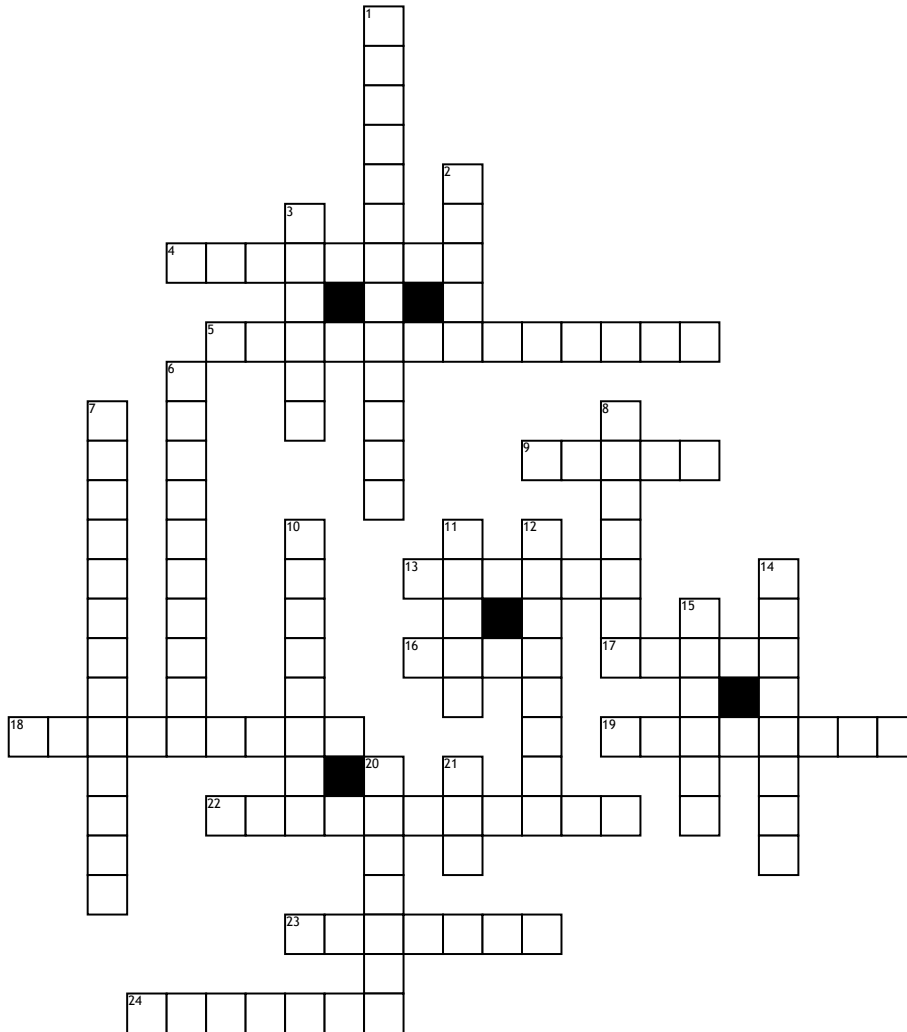


# Pre-Calculus Crossword Final



**Across**

- 4. Cosine is \_\_\_\_\_ over hypotenuse
- 5. There are six common \_\_\_\_\_ functions.
- 9. An angle is generally referred to as the Greek letter \_\_\_\_\_ in polar equations.
- 13. The Secant is one over the \_\_\_\_\_
- 16. A compass bearing is read with north at 0 degrees. What direction is -90 degrees?
- 17. The letter *s* generally represents angular \_\_\_\_\_ when talking about trigonometry.
- 18. (x,y) is an example of the \_\_\_\_\_ coordinate system.
- 19. Omega, a Greek letter that looks like w, measures angular \_\_\_\_\_.

- 22. 3,4,5 is a solution set to the \_\_\_\_\_ theorem.
  - 23. Another word for direction is your \_\_\_\_\_.
  - 24. a full circle is  $2\pi$  \_\_\_\_\_
- Down**
- 1. The \_\_\_\_\_ method is another name for the tip-to-tail method.
  - 2. The law of sines says that the \_\_\_\_\_ of sides divided by sines is equal.
  - 3. The difference between the formulas for rotation and speed is multiplying by the \_\_\_\_\_.
  - 6. Sine is Opposite over \_\_\_\_\_
  - 7.  $2\pi \cdot \text{radius}$  gives the \_\_\_\_\_

- 8. 1 Radian is equivalent to 57.296 \_\_\_\_\_
- 10. Hypotenuse over opposite is \_\_\_\_\_
- 11. Formulas containing both *r* and theta are in the \_\_\_\_\_ coordinate system.
- 12. The magnitude of a quantity is the total \_\_\_\_\_
- 14. Tip-to-Tail is a method of vector \_\_\_\_\_.
- 15. A \_\_\_\_\_ has a magnitude and direction
- 20. 1 degree is .017 \_\_\_\_\_.
- 21.  $r \cdot \cos \theta$  is the x-coordinate parameter when converting from one system to the other.

**Word Bank**

- |               |               |         |             |          |          |
|---------------|---------------|---------|-------------|----------|----------|
| circumference | parallelogram | bearing | pythagorean | distance | speed    |
| radians       | radians       | theta   | addition    | vector   | rotation |
| cartesean     | degrees       | radius  | cosine      | cos      | ratio    |
| trigonometric | Hypotenuse    | east    | polar       | coscant  | Adjacent |