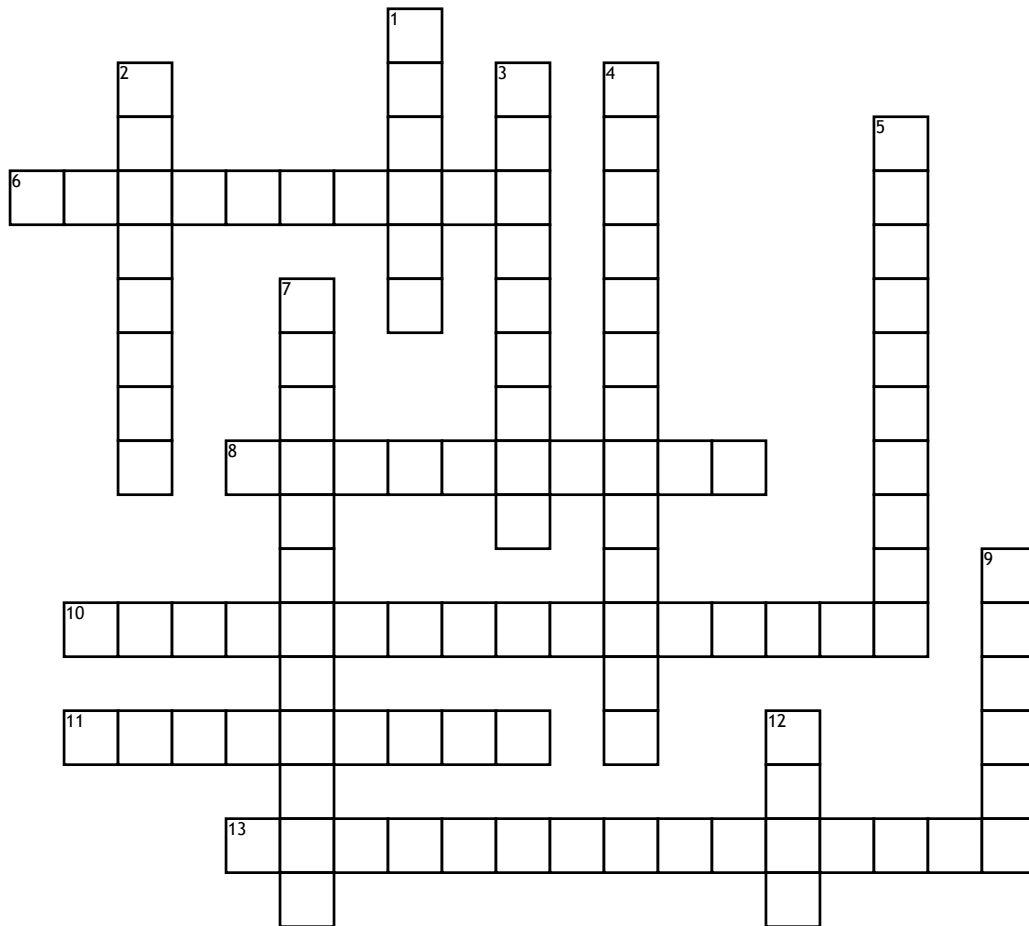


Chapter 6 Vocabulary



Across

- 6. Vector with the magnitude of 1 vector
- 8. algebraic operation that takes two equal-length sequences of numbers and returns a single number
- 10. Unary and Binary operations are categorized as.....
- 11. The length of a vector
- 13. Combination of 2 or more single vectors

Down

- 1. A quantity having both magnitude and direction
- 2. 3 sided shape with 3 vertices
- 3. The angle of the vector measured from the positive x-axis
- 4. Occurs when one uses the law of sines to determine missing measures of a triangle when given SSA

- 5. $\sin A/a = \sin B/b = \sin C/c$
- 7. $c^2 = a^2 + b^2 - 2ab \cdot \cos(C)$, $b^2 = a^2 + c^2 - 2ac \cdot \cos(B)$, $a^2 = b^2 + c^2 - 2bc \cdot \cos(A)$
- 9. A constant that can multiply a vector or Matrix
- 12. On a flat surface, the number of non-overlapping square units needed to cover the region.

Word Bank

- | | | | |
|----------------|----------------|------------------|-------------------|
| Scalar | Magnitude | Triangle | Area |
| Vector | Ambiguous Case | Law Of Sines | Vector Operations |
| Direction | Unit Vector | Resultant vector | Dot Product |
| Law of Cosines | | | |