# Trigonometry: Tips

- **Be comfortable with the Pythagorean Theorem!**
  - You most likely have used/learned this theorem before, but you need to **be very comfortable using it because it is the base of trigonometry**!
  - **Practice several problems involving right triangles** because if you are able to master the pythagorean theorem, you will most likely master the subject of trigonometry.
- **Know the Trig. Ratios!**
  - Sine, Cosine, and Tangent are important components of trigonometry.
  - It will also be used in future math classes as well.
  - **An easy way to remember the trig. Ratios:**
    - **SOH CAH TOA**
      - **S**ine, **O**pposite, **H**ypotenuse
      - **C**osine, **A**djacent, **H**ypotenuse
      - **T**angent, **O**pposite, **A**djacent
- **Think about buying a graphing calculator!**
  - It is essential to have a graphing calculator in order to do trigonometry.
  - It will make solving the ratios much easier!
  - It might be an investment, but it is worth it!