

# Top 20

1. Attempt to **identify** givens, unknown and **draw** a sketch before asking a question.
2. The title of a **graph** is always written y-axis vs. x-axis.
3. No **Naked** Numbers (3 exceptions).
4. If velocity and acceleration are in the **same** direction the object speeds up; if in the **opposite** direction it slows down.
5. The calculator should be in **degree** mode.
6. Net force and acceleration are **always** in the same direction.
7. The word "**gravity**" means nothing to me.
8. Weight and Force of Gravity are synonyms for **mg**
9. Horizontal and vertical motions are **independent**.
10. Centripetal means **towards** the center.
11. Impulse equals **change** in momentum
12. Wave speed is a function of the **medium**.
13. The **source** determines the frequency.
14. Sound and light propagate at **different** speeds.
15. Use the appropriate speed **equation**.

$$v = \lambda f \quad \text{or} \quad v = \frac{\text{distance}}{\text{time}}$$

16. Angles are measured from the **normal** line.
17. Only the **electrons** move.
18. The charge on a proton and electron are **equal** but opposite; their masses are not equal.
19. Current is **constant** in series; Voltage is constant in parallel.
20. Right hand positive, left **hand** negative