

1) Griffiths Section 9.3 is, at its heart, about "light traveling from air into glass" (or something similar), it's the section where we deduce key properties of light and optics (like Snell's law...). The math is all about applying Equations 9.74 to some geometry you choose. Briefly, where do Equations 9.74 *come from*? And, what key assumptions/approximations are we making?

2) Minus signs are important! Please look and, and try your best to *explain*, the origin of the signs in:

i) Eq 9.76, (the last one on p. 384, for the B field) why is there a minus sign out front?

ii) In Eq 9.104, why is there a minus sign in front of the 2nd term on the left side, why doesn't it add? (Aren't we superposing incoming and reflected waves?)

3) As usual, go up to the "discussion" tab, and join this week's "preflight" discussion. Post your question there, or, if there are already some good questions, READ them and reply, give your best answer (or comment, or related question...).