List of known corrections to the PHY 232C online lectures

**Chapter 21: Electric Potential**
Example: Motion in Field and Approaching Plate, slide 3, time~8:40
After: \(-5 \times 10^{-4} v_y^2 + 10^{-4} = 0\)

This is incorrect: \(v_y = \sqrt{4 \times 10^{-4}} = 0.02 \text{m/s}\)
This is correct: \(v_y = \sqrt{\frac{1}{5}} = 0.447 \text{ m/s}\)

**Chapter 24: Magnetic Fields**
Example: Magnetic Fields by Wires, slide 3 first part
The result for the magnetic field strength is incorrect. The correct magnetic field strength at the coil’s center is \(B = 5.0 \times 10^{-2} \text{T}\)

**Chapter 26: AC Circuits**
Example: Self Inductance RL Circuits, slide 1
The result for the inductance of the solenoid is incorrect. The correct inductance of the solenoid is \(L = 1.26 \times 10^{-3} \text{H}\)

**Chapter 18: Ray Optics**
Example: Lenses, slide 6 two lenses
The text of the problem incorrectly refers to the first optical element as a converging mirror. This element should be a converging lens.