EE4226 - EXPERIMENT #3

IDEAL SINGLE PHASE TRANSFORMERS

Lab Section: LOZ

Date: 2/14/2018

Name: Jacob Cott

Part 1:

3. Resistance H₁ - H₃

High Voltage Coil

Low Voltage Coil

Resistance X₁ - X₂ 0, 95)

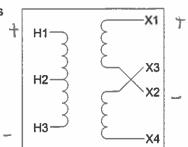
Part 2:

5. Voltage H₁ - H₃ 119.3

7. Voltage H₁ - H₃ 120.26

Voltage X₁ - H₃ 188, 12 Voltage X₂ - H₃ 50,89

8. Draw the polarity marks



Part 3:

10. Voltage H₁ - H₃ 208, 2

Voltage X₁ - X₄ 239.8 Voltage X₁ - X₃ O₁ 1525

Part 4:

14. V_{In} 150.1 V_{out} 85,77 I_{coil1} 1.0

Part 5:

Voltage
$$H_1 - H_3 = \frac{12.7.8}{4.25}$$

Load Current $\frac{4.25}{6.1A}$

Part 6:

20. Sketch your circuit below:

