

$$R_3 = \frac{1}{\frac{1}{8} + \frac{1}{2}} = \frac{6.06}{30} = \frac{21}{30} = \frac{7}{10}$$

15.2

of class
R₃ = 19.06

$$V_2 = \frac{1}{2} + \frac{1}{4} = \frac{3}{4} = 0.75$$

1.3

$$V_5 = \frac{1}{3} + \frac{1}{3} = \frac{2}{3} = \frac{5.3}{15} = \frac{8}{15} = \frac{15}{6}$$

1.6

$$A^3 = 6.05 \cdot 1.3 = 7.865$$

$$= 12.02$$

$$A_5 \rightarrow I = \frac{120}{62} = 1.935$$

I = 6.20

$$A = 1 \cdot \frac{8.06}{1.3} = I \cdot \frac{1.3}{1.3}$$

Corrections

$$A^7 = \frac{11.16}{3} = 3.72$$

$$A^7 = \frac{8.06}{2} = 4.03$$

$$A^8 = \frac{8.06}{4} = 2.015$$

$$A^{10} = \frac{11.16}{1.4} = 7.97$$

$$V_3 = V = IR$$

$$V = 6.26 \cdot 1.3 = 8.138$$

A₈ 8, V₃ = 8.35 volts

120

$$V_1 = 6.2 \cdot 4 = 24.8$$

$$V_3 = I_4 + R_4$$

$$6.2 \cdot 1.3$$

$$V_3 = 8.06$$

$$V_5 = V = 6.2 \cdot 1.4 = 8.68$$

$$V_5 = 11.16$$

$$V_4 = V = 6.2 \cdot 5 = 31$$

$$V_2 = \overset{6.05}{\rightarrow} V_2 = 6.2(4) = 24.8$$

$$\hookrightarrow V_2 = 0.2 \cdot 0.05 = 6.05$$

$$A_{10} = \frac{11.16}{1.4} = 7.97$$

Combination Circuits Practice Problem

Find the values listed below.

- A1 0.2 A
- A3 2.02 A
- A5 6.2 A
- A7 ~~4.03 A~~
- A8 ~~6.2 A~~
- A10 ~~0.2~~
- V1 ~~24.6~~
- V2 6.05
- V3 8.06
- V4 31
- V5 11.16
- V6 120

$$I = \frac{V}{R}$$

$$V = 120$$

KOA

