

FIGURE 1

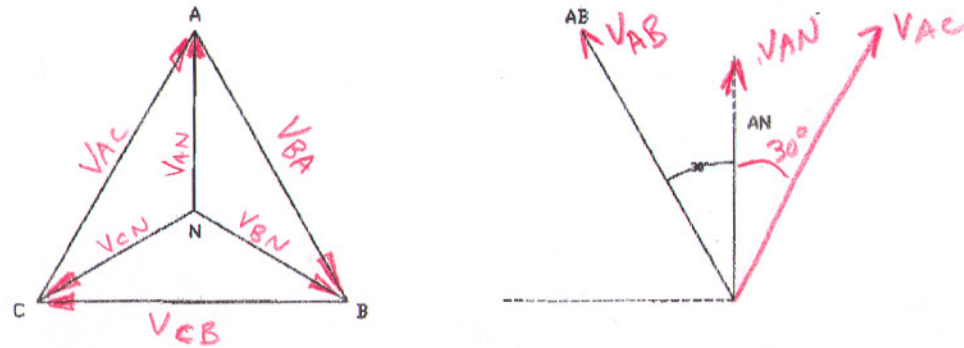


FIGURE 2

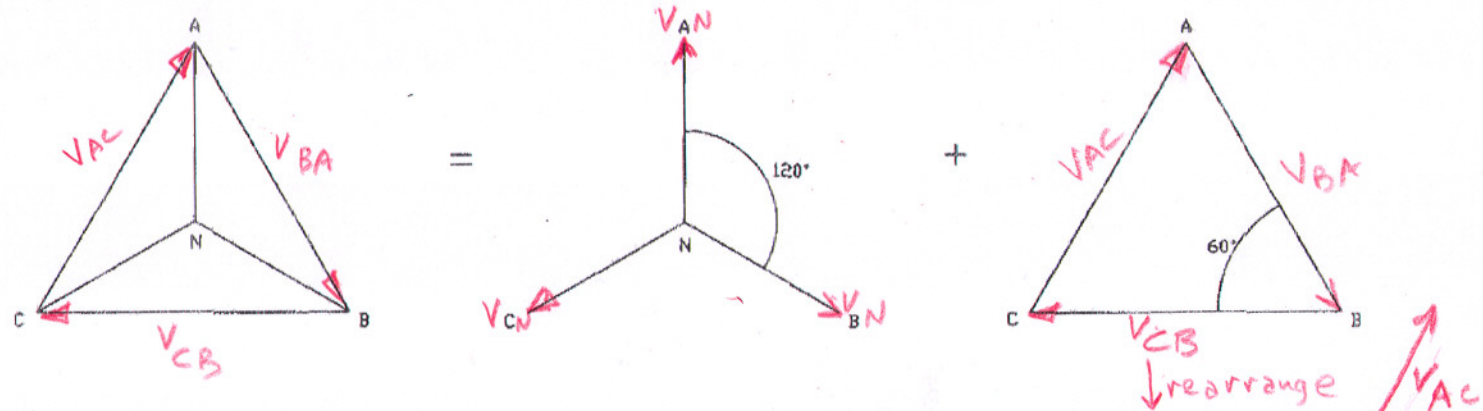


FIGURE 3

$$V_{BA} = V_{BN} - V_{AN} = 120 @ -30^\circ - 120 @ +90^\circ$$

$$V_{an} = V_a - V_b$$

$$V_{an} = 120 @ 0^\circ - 120 @ 120^\circ = 208 @ -60^\circ$$

$$V_{an} = (120 \cos(0) + 120 \sin(0)) - (120 \cos(120) + 120 \sin(120))$$

